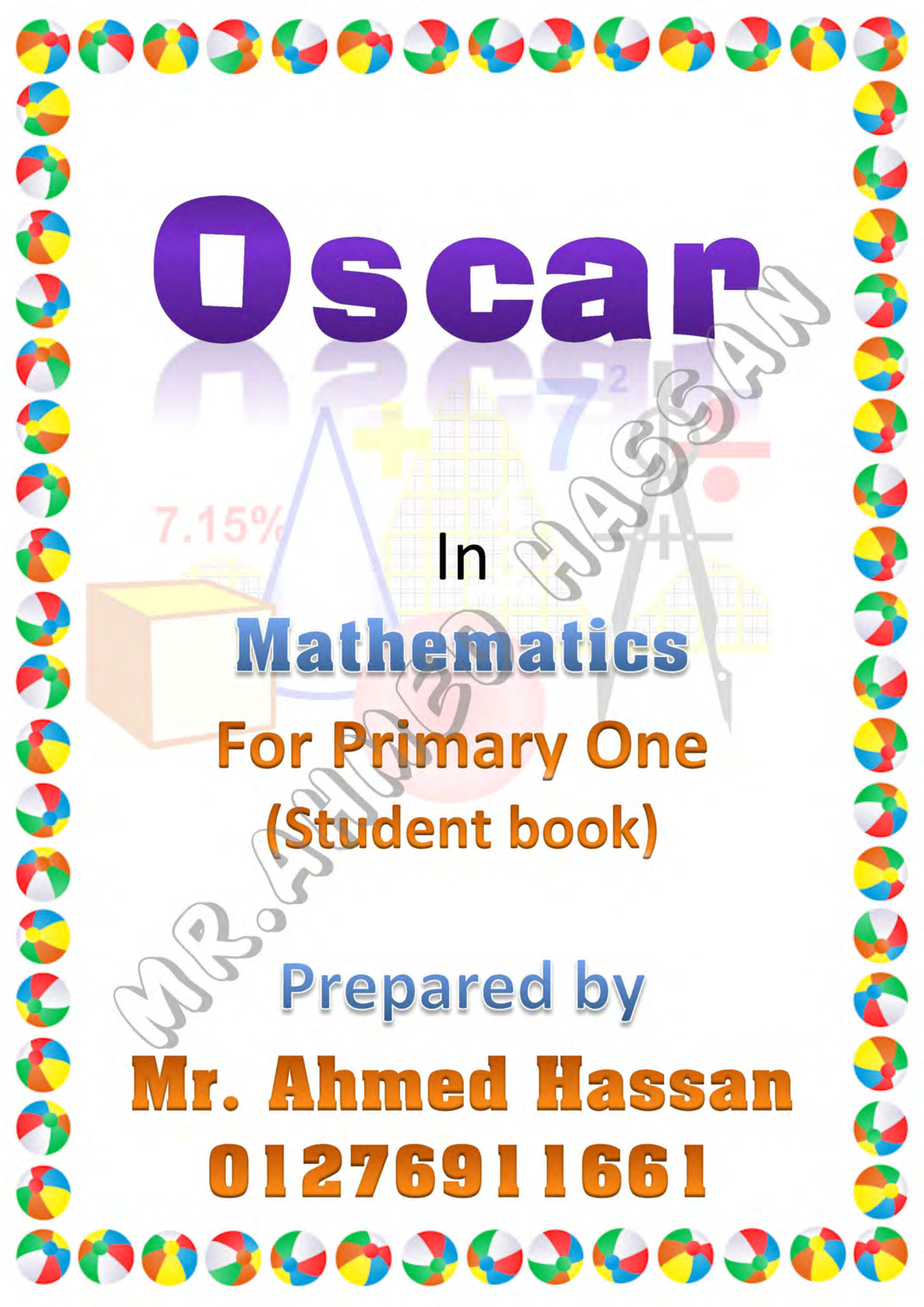


# Oscar

In

# Mathematics

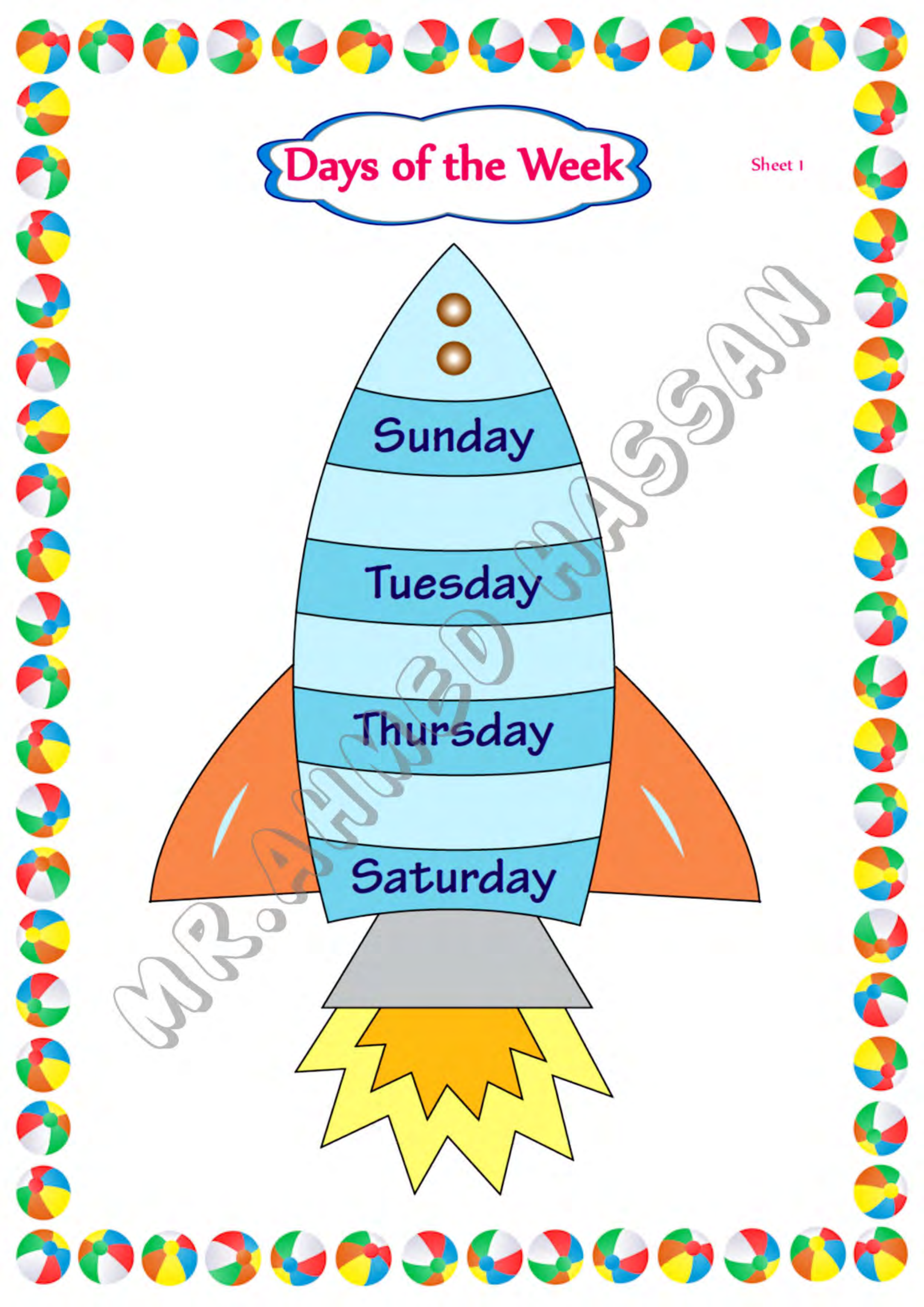
## For Primary One
## (Student book)

Prepared by

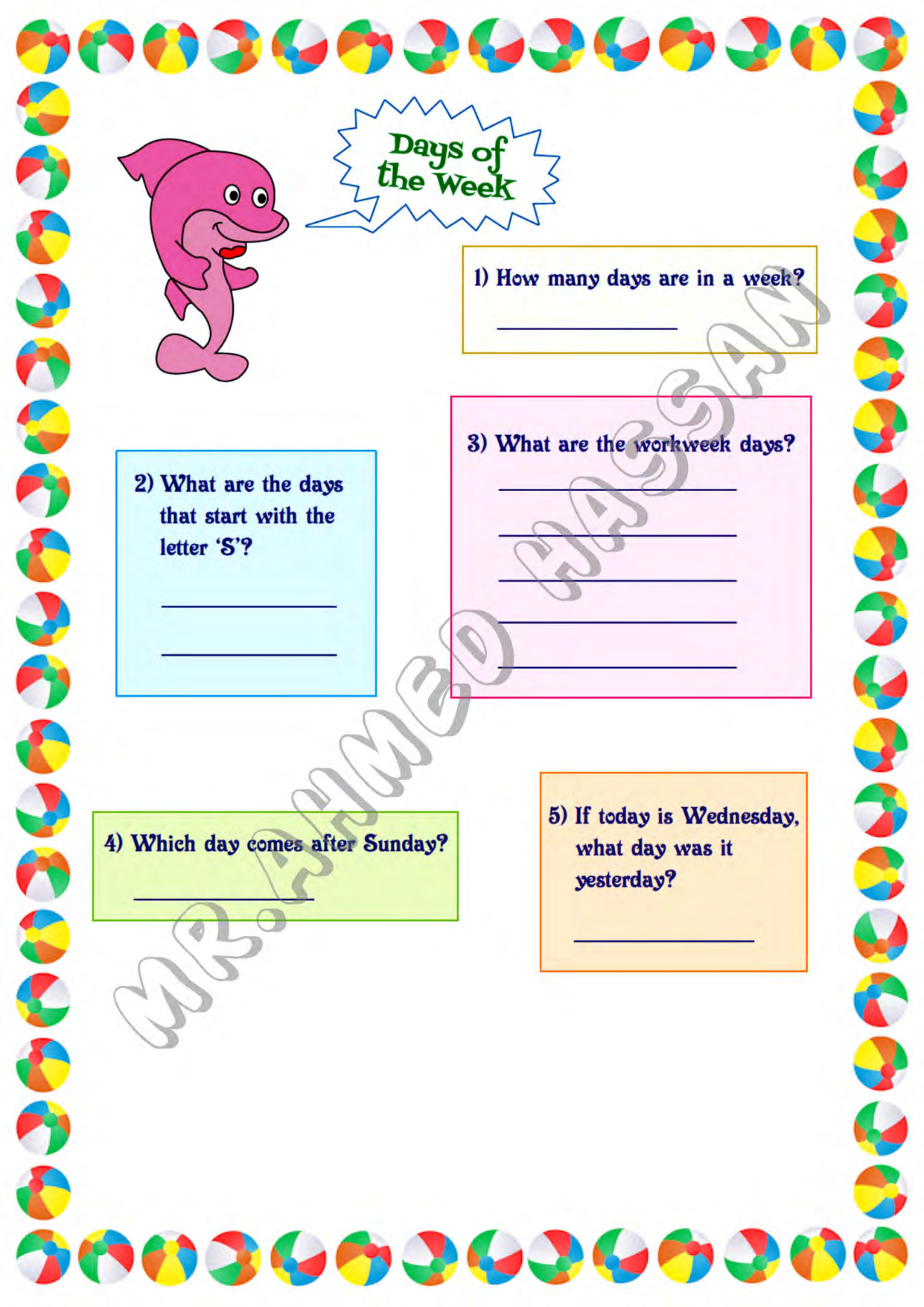
**Mr. Ahmed Hassan**
01276911661


Days of the Week
Saturday
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday


MONTHS OF THE YEAR
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER


Days of the Week
Sheet 1
Sunday
Tuesday
Thursday
Saturday


Months of the Year
She
January
March
May
August
October
December
MR. AHMED HASSAN




1) How many days are in a week?

_______________

2) What are the days that start with the letter 'S'?

_______________

_______________

3) What are the workweek days?

_______________

_______________

_______________

_______________

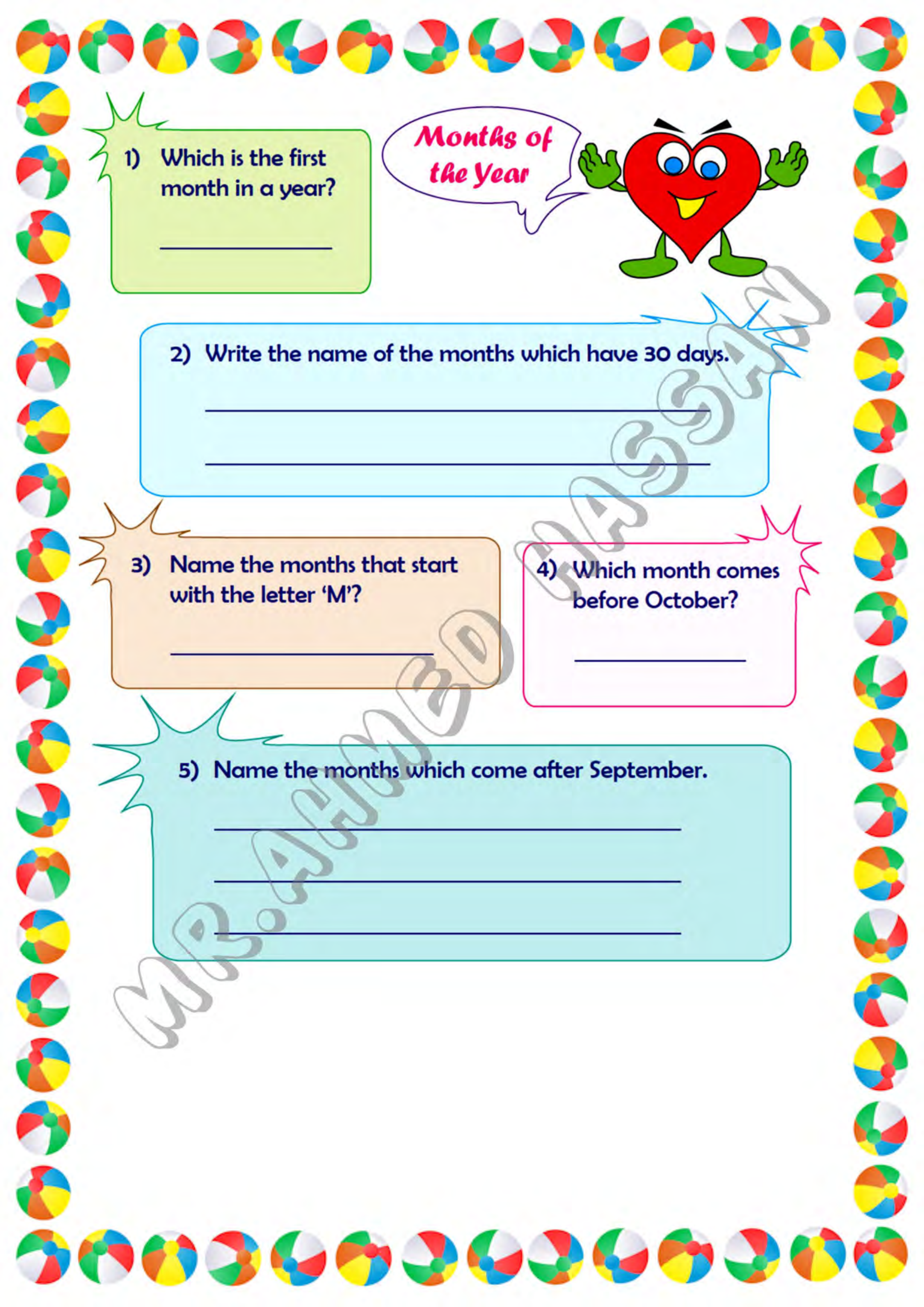
_______________

4) Which day comes after Sunday?

_______________

5) If today is Wednesday, what day was it yesterday?

_______________




1) Which is the first month in a year?

______________

2) Write the name of the months which have 30 days.

______________________________

______________________________

3) Name the months that start with the letter 'M'?

______________

4) Which month comes before October?

______________

5) Name the months which come after September.

______________________________

______________________________

______________________________



# Reading Calendar

ES1

### January 2016

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

### February 2016

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | | | | | |

### March 2016

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

### April 2016

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

### May 2016

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

### June 2016

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | | |

### July 2016

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

### August 2016

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

### September 2016

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | |

### October 2016

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | | | | | |

### November 2016

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | | | |

### December 2016

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

1) How many months are there in a year? ____________

2) How many weeks does this year have? ____________

3) Which month comes after June? ____________

4) Which is the 8th month? ____________

5) How many days are in the month of November? ____________



# Lessons 1 - 10

## One and Two

1

2

3

4

5

1 1 1 1 1 1 1 1 1

6

2 2 2 2 2 2 2 2

7

1 1 1 1 2 2 2 2

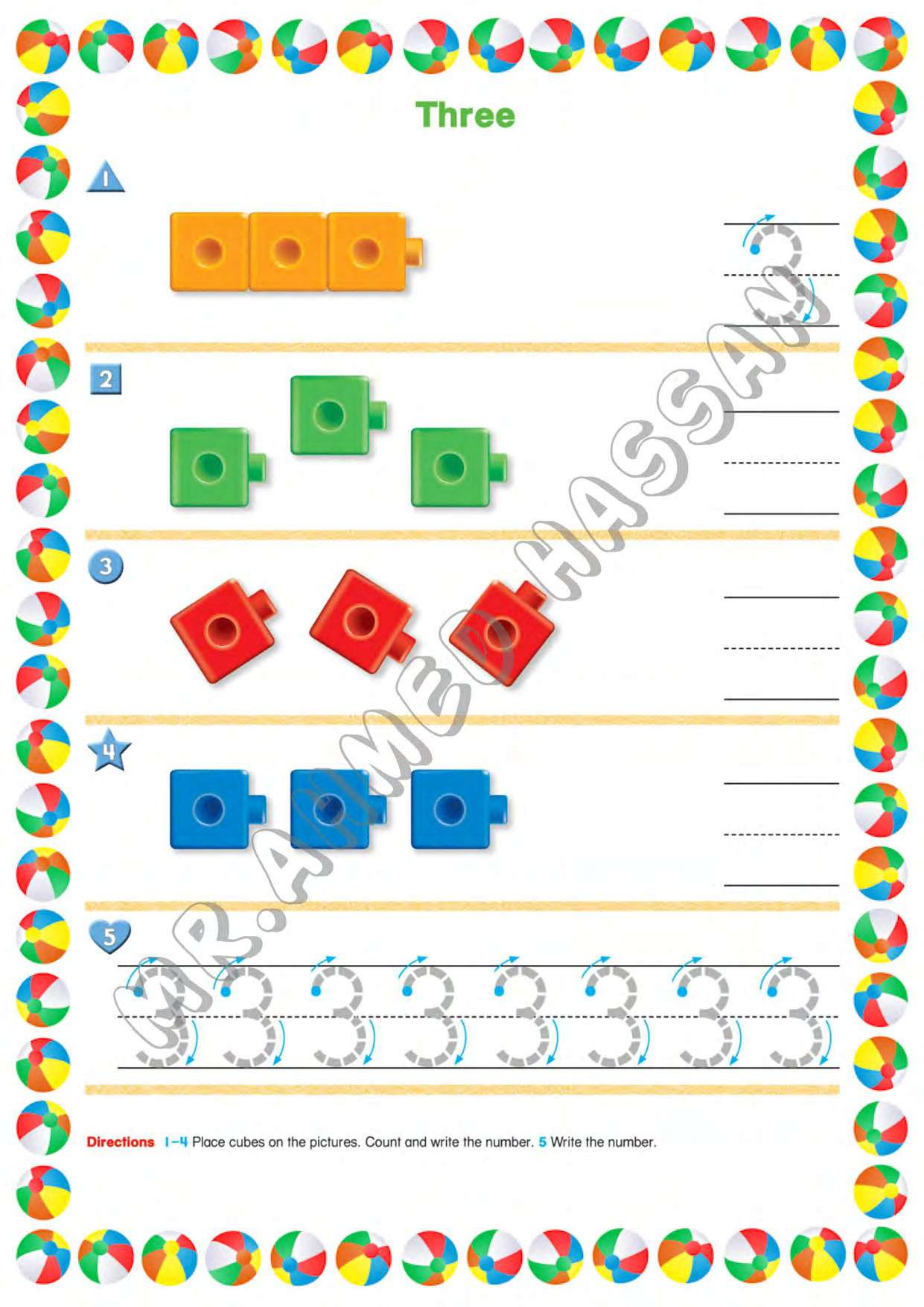
**Directions** 1–4 Count the children and write the number. 5–7 Write the numbers.





**Directions** 1–6 Count and color the shapes. Write the number.

**At Home** Have your child look around the room for examples of one and two items. Have your child practice writing the numbers 1 and 2.

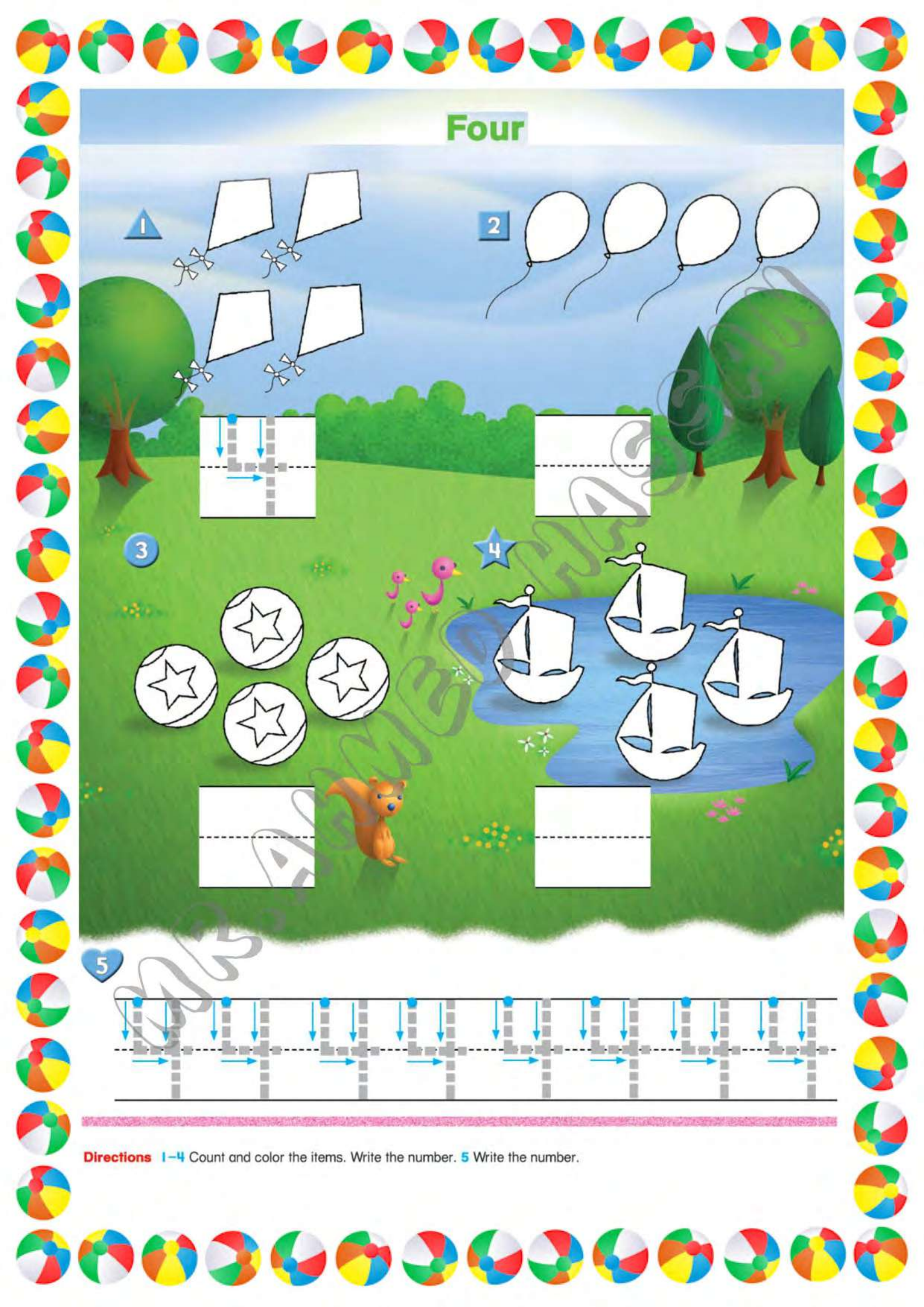

Three
1
2
3
4
5
Directions 1–4 Place cubes on the pictures. Count and write the number. 5 Write the number.






**Directions** 1–4 Circle the sets that show 3 blocks. Write the number 3.

**At Home** Have your child arrange 3 food cans in different ways and count the cans each time to see that there are 3. Have your child practice writing the number 3.




**Directions** 1–4 Count and color the items. Write the number. 5 Write the number.





**Directions** 1–3 Draw more objects to show a set of 4. Write the number. 4 Draw a set of 4. Write the number.

**At Home** Have your child march as you count 1-2-3-4. Have your child practice writing the number 4.

# Five






**Directions** 1 Look at the groups of items. Circle the groups that show 5. 2 Write the number.





**Directions** 1–4 Count and color. Write the number.

**At Home** Have your child make sets of 5 items such as pennies, buttons, or paper clips. Have your child practice writing the number 5.

# Zero





**Directions 1–2** Look for the same puppet in the picture. Write the number to show how many you find. **3** Write the number.

# Using 0–5



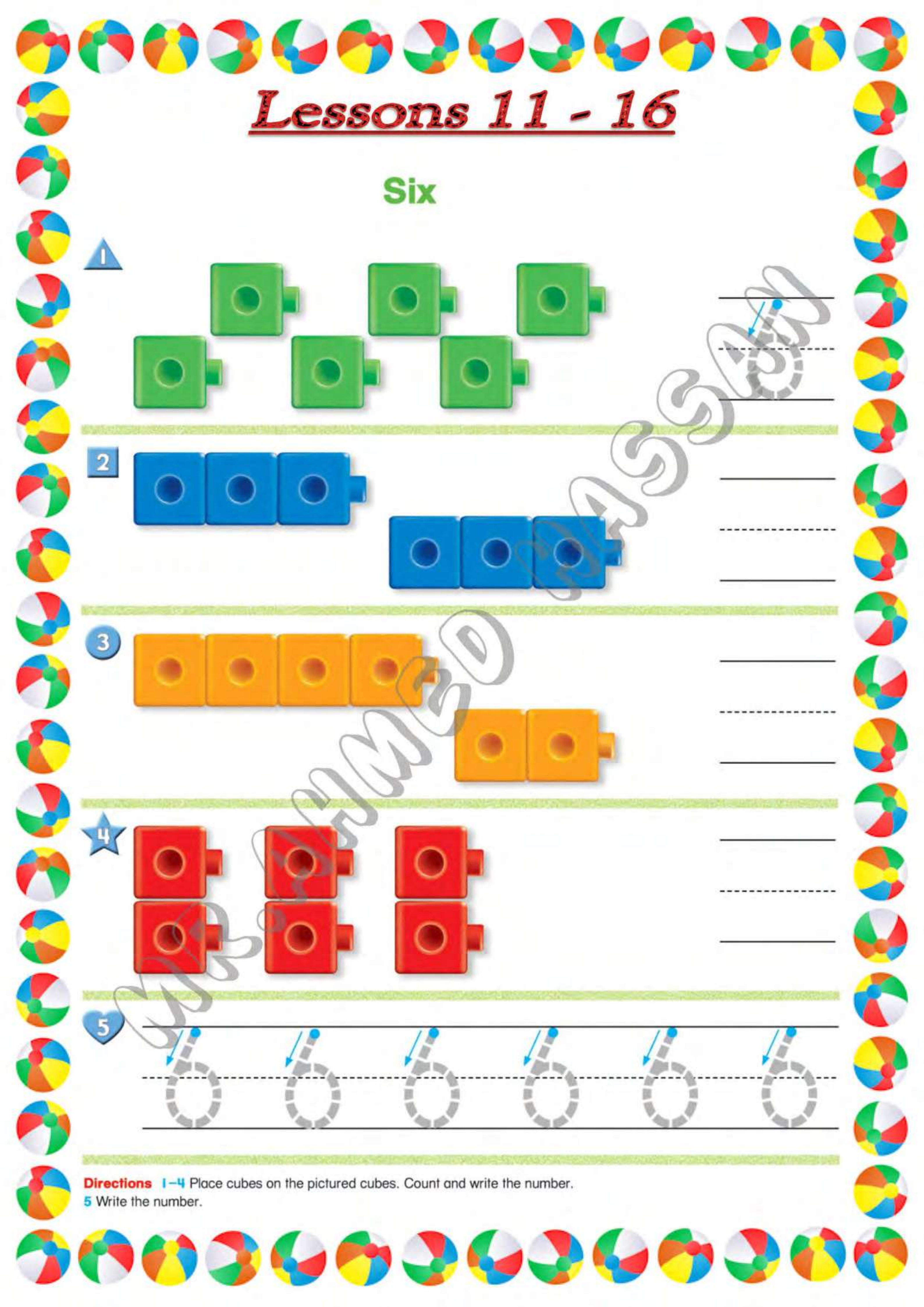

**Directions** 1–4 Use counters to show the number. Draw.





**Directions 1–6** Count. Write the number of items in the set.

**At Home** Write a number from 0 to 5 and have your child show that number, using small items such as pennies or buttons.



# Lessons 11 - 16

## Six

1

2

3

4

5



**Directions** 1–4 Place cubes on the pictured cubes. Count and write the number.
5 Write the number.

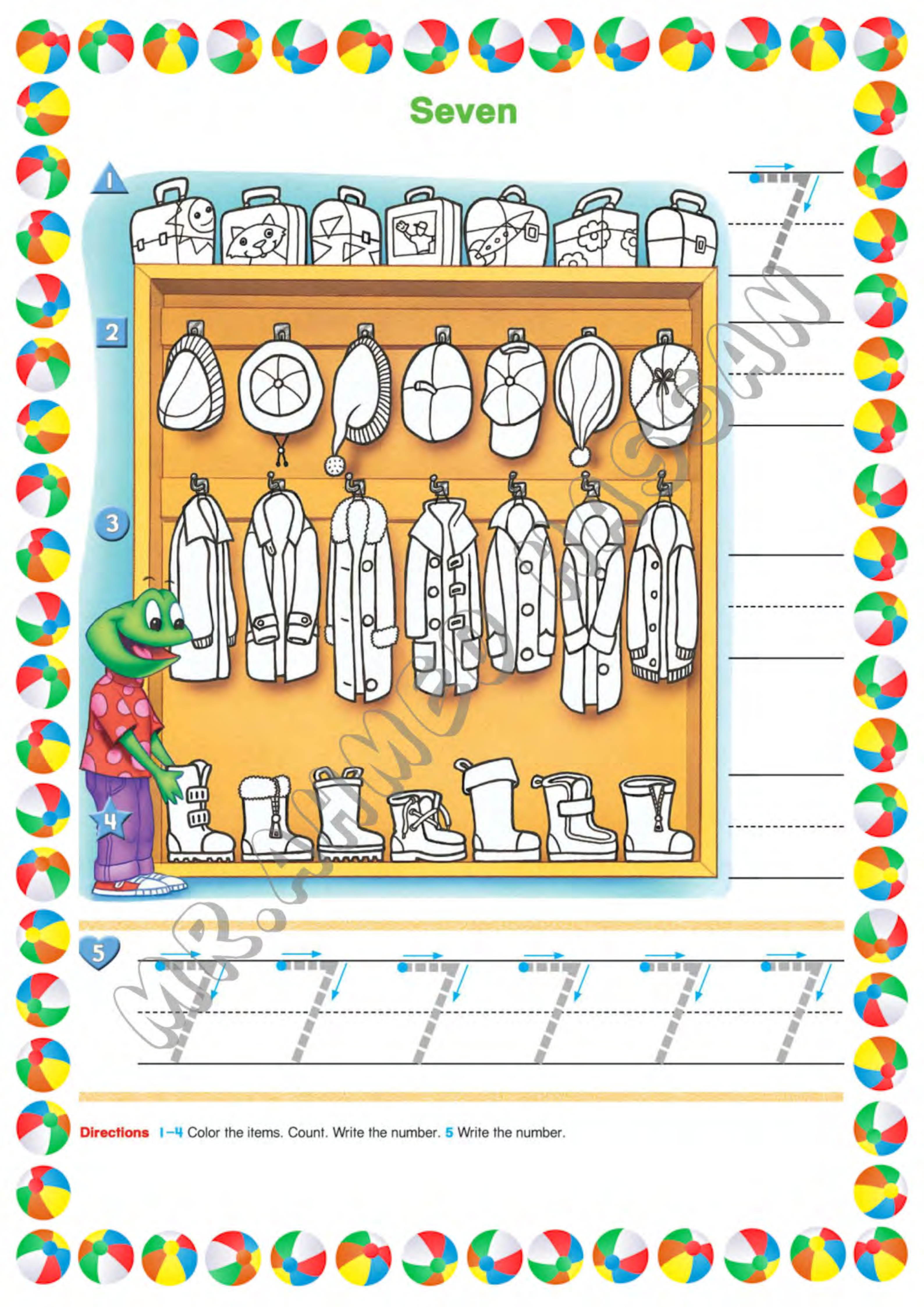




**Directions** 1–4 Circle the sets of 6. Write the number.

**At Home** Display different arrangements of 6 items and have your child count them each time. Have your child practice writing the number 6.

# Seven




**Directions** 1–4 Color the items. Count. Write the number. 5 Write the number.






**Directions 1–4** Count the items. Draw more to make a set of 7. Write the number.

**At Home** Help your child use a calendar to count the number of days in a week. Have your child practice writing the number 7.

# Eight




**Directions** 1 Circle the groups of 8. 2 Write the number.



1

6

7

8

2

6

7

8

3

6

7

8

4

6

7

8

**Directions** 1–4 Count the items. Circle the number.

**At Home** Give your child a handful of pennies and have your child count out 8. Then ask your child to arrange the pennies in different groups—7 and 1, 4 and 4, 5 and 3, and so on.



# Nine

1

2

3

4



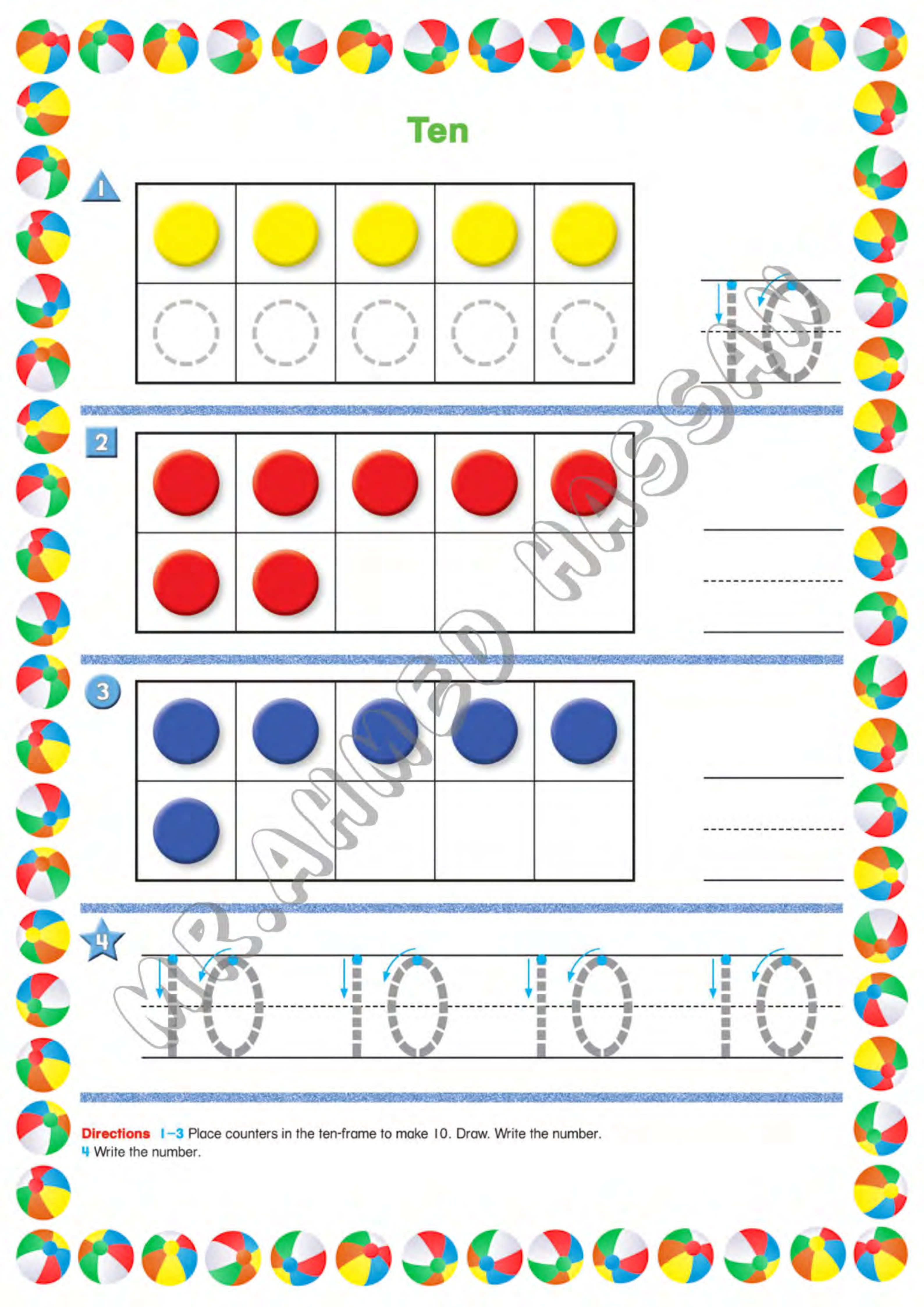
**Directions** 1–3 Count the items. Write the number. 4 Write the number.





**Directions** 1–5 Count the items. Write the number.

**At Home** Have your child separate 9 crayons into 2 groups and join them to see that there are still 9. Have your child practice writing numbers.



# Ten

1

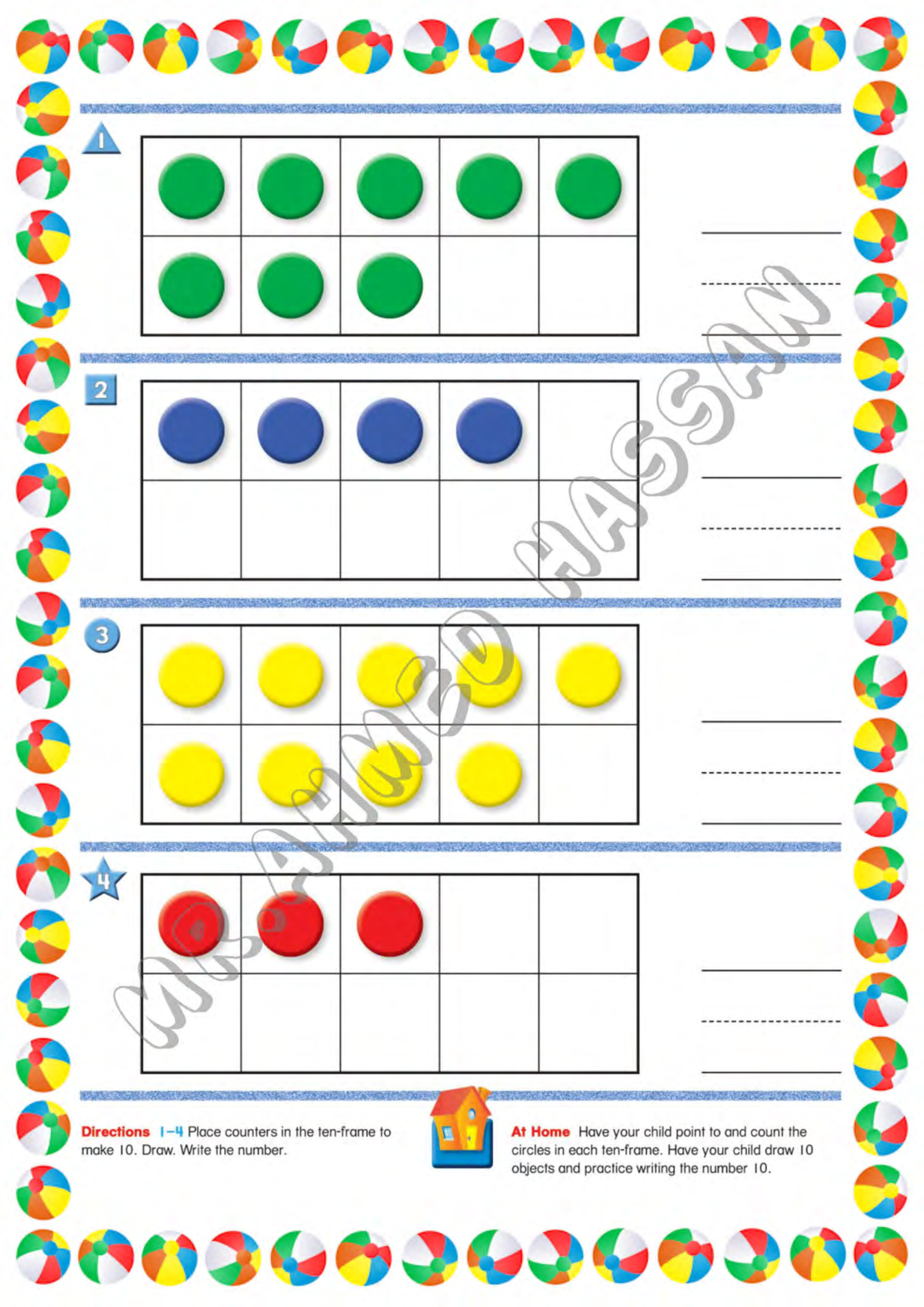
2

3

4

10 10 10 10

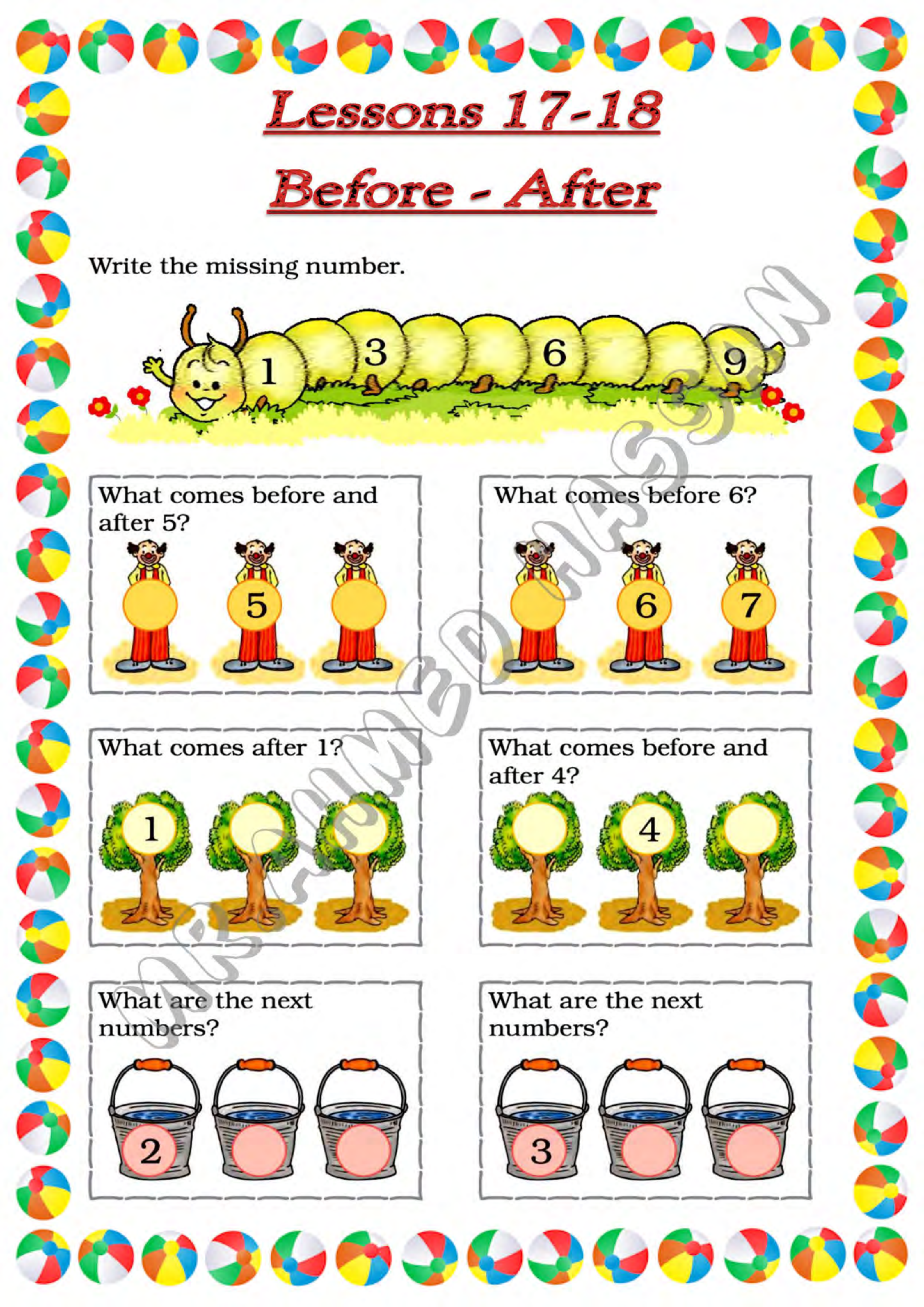
**Directions** 1–3 Place counters in the ten-frame to make 10. Draw. Write the number.
4 Write the number.






**Directions** 1–4 Place counters in the ten-frame to make 10. Draw. Write the number.

**At Home** Have your child point to and count the circles in each ten-frame. Have your child draw 10 objects and practice writing the number 10.


Lessons 17-18
Before - After
Write the missing number.
1
3
6
9
What comes before and after 5?
5
What comes before 6?
6
7
What comes after 1?
1
What comes before and after 4?
4
What are the next numbers?
2
What are the next numbers?
3

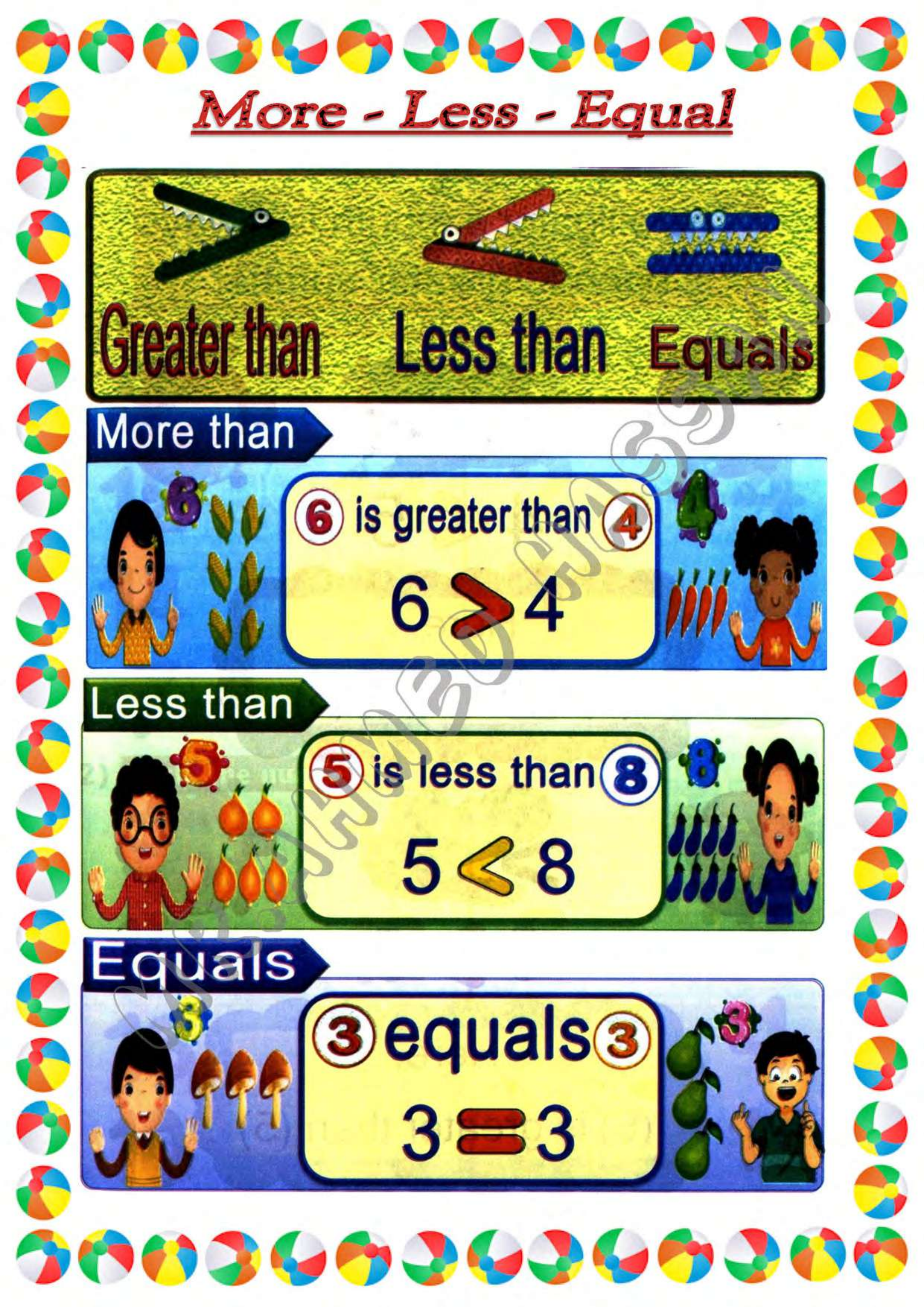

Write the number that comes just after.
3
4
8
7
9
0
Write the number that comes just before.
3
4
8
7
9
2



# 1 more - 1 less

Circle the group that has 1 more than the first one.


Circle the group that has 1 less than the first one.


More - Less - Equal
Greater than
Less than
Equals
More than
6 is greater than 4
6 > 4
Less than
5 is less than 8
5 < 8
Equals
3 equals 3
3 = 3



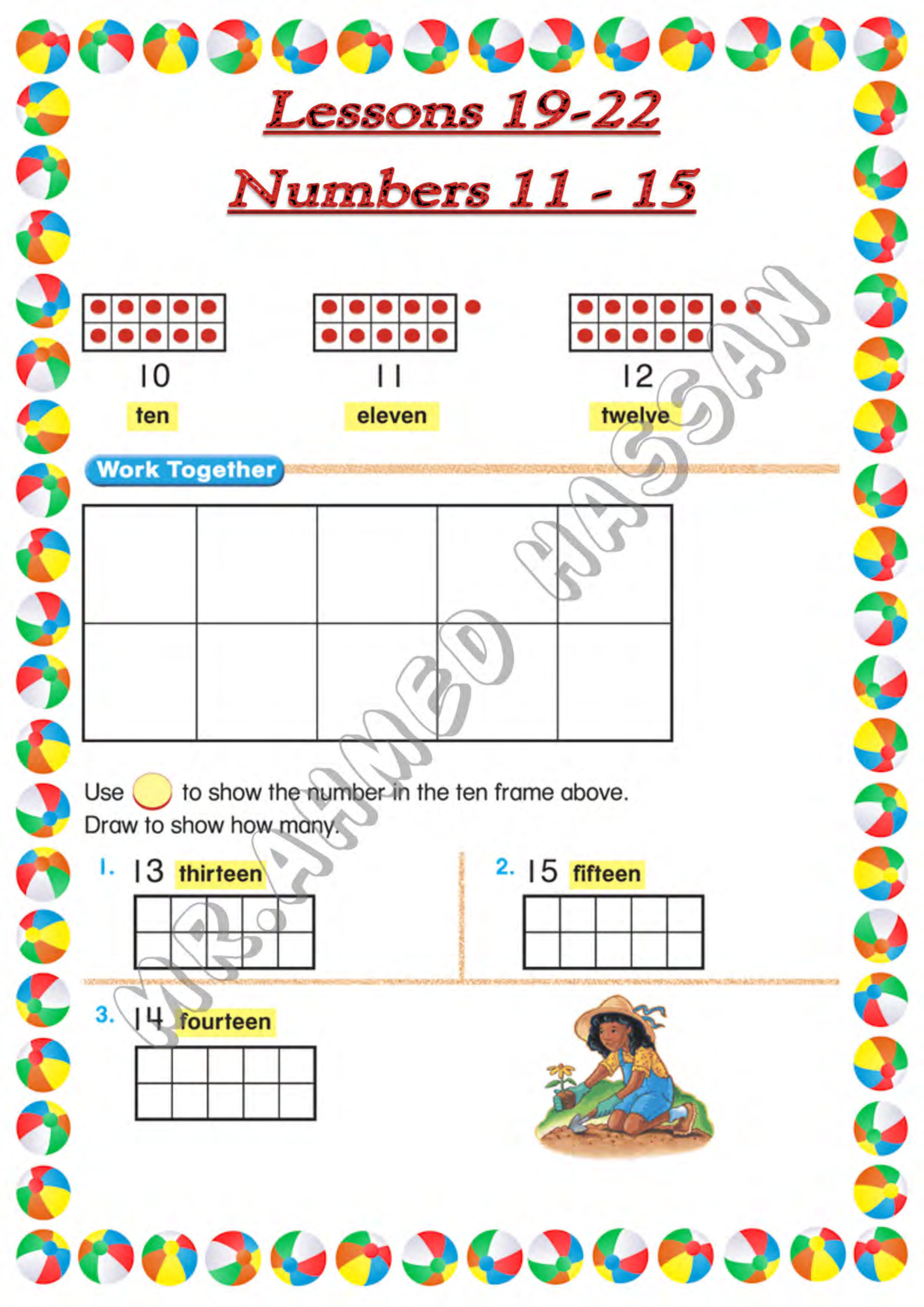
Write how many there are in each group.
Circle the greater number.

Write how many there are in each group.
Circle the number that is less.

Circle the group that shows the same number as the first one.




Ordering Numbers
Single digit: S1
A) Order the numbers from least to greatest.
1)
8 5
1
6 2
2)
4 7
3
9 0
B) Order the numbers from greatest to least.
1)
7 5
8
4 6
2)
9 0
1
3 2



# Lessons 19-22

# Numbers 11 - 15

10
ten

11
eleven

12
twelve

**Work Together**

Use ( ) to show the number in the ten frame above.
Draw to show how many.

1. 13 thirteen

2. 15 fifteen

3. 14 fourteen



**On Your Own**

Count.

Write the number.

1. ______ 13 thirteen

2. ______ ten

3. ______ twelve

4. ______ fifteen

5. ______ eleven

6. ______ fourteen

7. **Talk About It** Which set has the fewest?



## Complete by using ( > , < or = ).

| | | | | | |
|---|---|---|---|---|---|
| 5 | ☐ | 10 | 11 | ☐ | 7 |
| 9 | ☐ | 0 | 12 | ☐ | 12 |
| 15 | ☐ | 14 | 1 | ☐ | 11 |
| 13 | ☐ | 12 | 15 | ☐ | 5 |

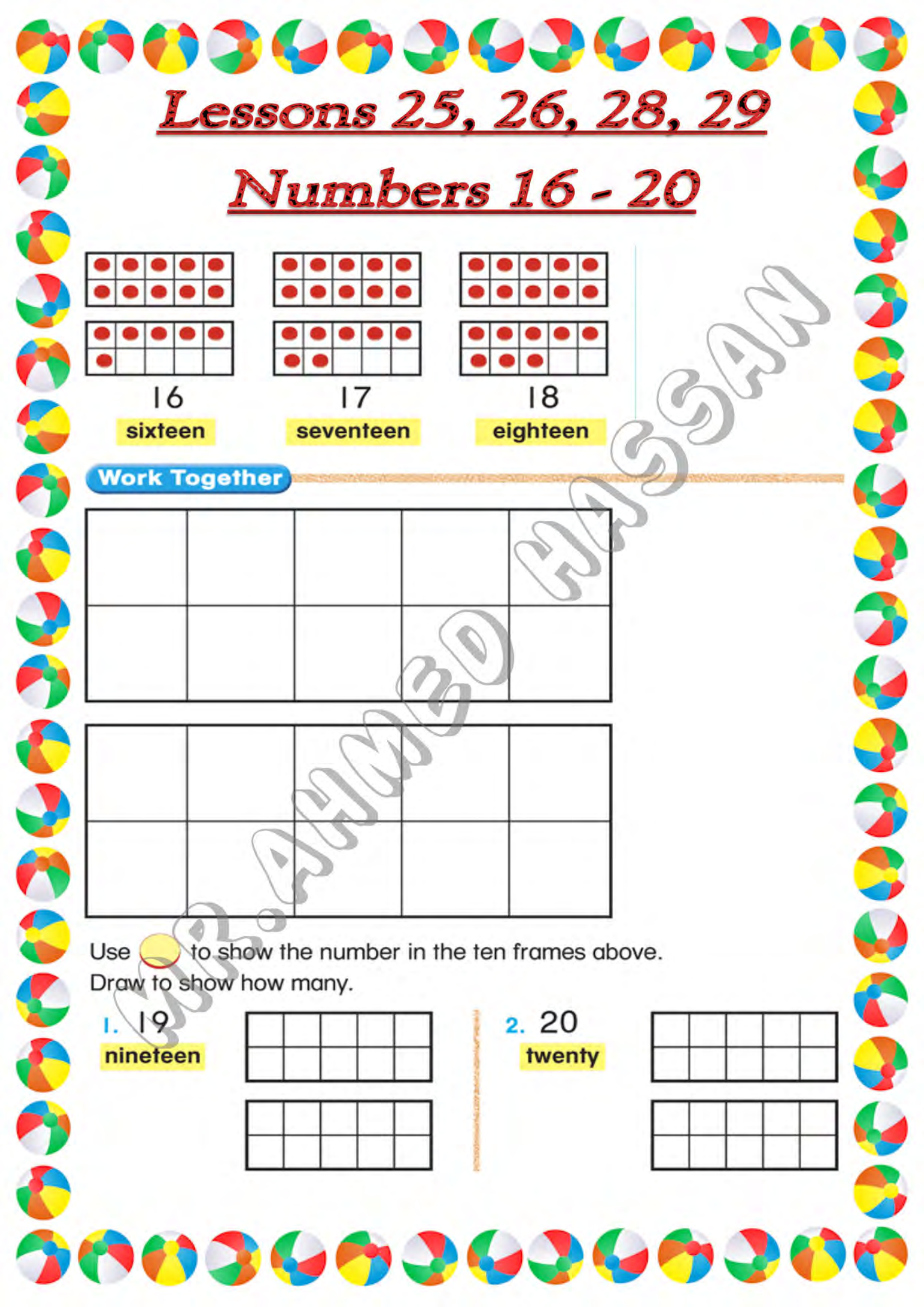
## Complete with a suitable number.

| | |
|---|---|
| ............... < 10 | 15 > ............... |
| 13 < ............... | ............... > 11 |
| ............... = 14 | 12 > ............... |
| 13 < ............... | ............... > 0 |
| ............... = 13 | ............... < 7 |



Complete with ( > , < or = ).

| | |
|---|---|
| 3 ○ 5 | 5 ○ 9 |
| 10 ○ 10 | 0 ○ 8 |
| 15 ○ 13 | 11 ○ 14 |
| 13 ○ 7 | 0 ○ 1 |
| 13 ○ 13 | 14 ○ 1 |
| 13 ○ 12 | 9 ○ 10 |



# Lessons 25, 26, 28, 29

## Numbers 16 - 20

16
sixteen

17
seventeen

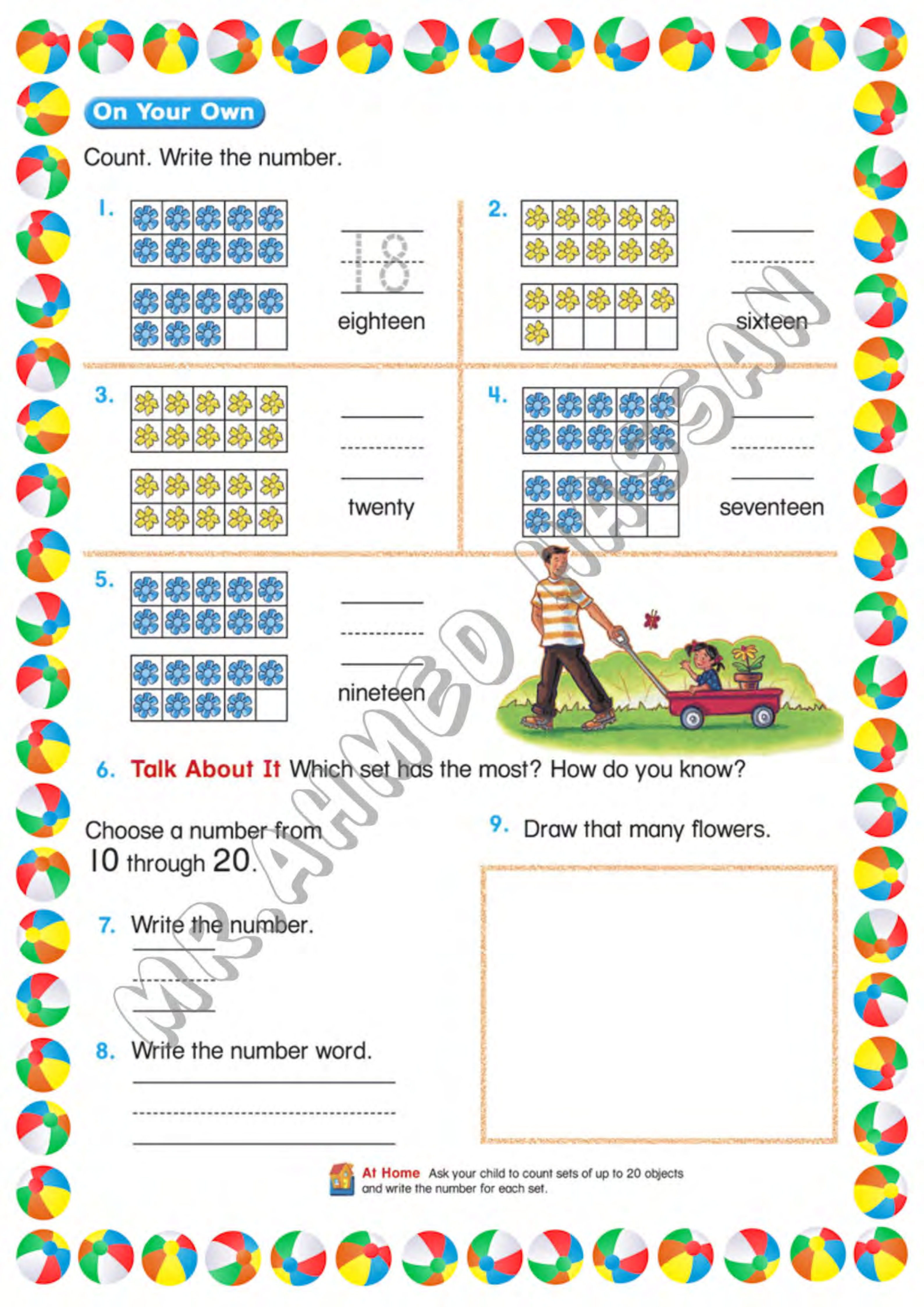
18
eighteen

**Work Together**

Use [counter] to show the number in the ten frames above.
Draw to show how many.

1. 19
nineteen

2. 20
twenty



**On Your Own**

Count. Write the number.

1. 18 eighteen

2. ____ sixteen

3. ____ twenty

4. ____ seventeen

5. ____ nineteen

6. **Talk About It** Which set has the most? How do you know?

Choose a number from 10 through 20.

7. Write the number.

____

8. Write the number word.

________

9. Draw that many flowers.

**At Home** Ask your child to count sets of up to 20 objects and write the number for each set.


Circle the number that shows how many.
15 16 17
15 16 17
13 17 16
17 7 5
17 16 15
13 17 16
MR AHMED HASSAN



Write the number that comes just after.

14 ______

10 ______

17 ______

16 ______

Write the number that comes just before.

______ 13

______ 17

______ 18

______ 16



# Lessons 23-24

# More (greater) - Less – Equal

## Get Ready

**Main Idea**

I will compare numbers.

**Vocabulary**

is greater than

is less than

is equal to

12 is greater than 3

8 is less than 17

5 is equal to 5

## Check

Use [cube] to show each number.
Compare. Circle the correct words.

**Think**
4 cubes are more than 2 cubes. 4 is greater than 2.

1. 4 ____ 2

is greater than   is less than   is equal to

2. 8 ____ 8

is greater than   is less than   is equal to

3. Talk About It Is 11 less than 12? How do you know?



**Practice**

Use [cube] to show each number.
Compare. Circle the correct words.

**4.** 4 ____ 19

is greater than    is less than    is equal to

**5.** 19 ____ 8.

is greater than    is less than    is equal to

**6.** 5 ____ 5.

is greater than    is less than    is equal to

**Draw** to solve.

**7.** is greater than

**8.** is less than

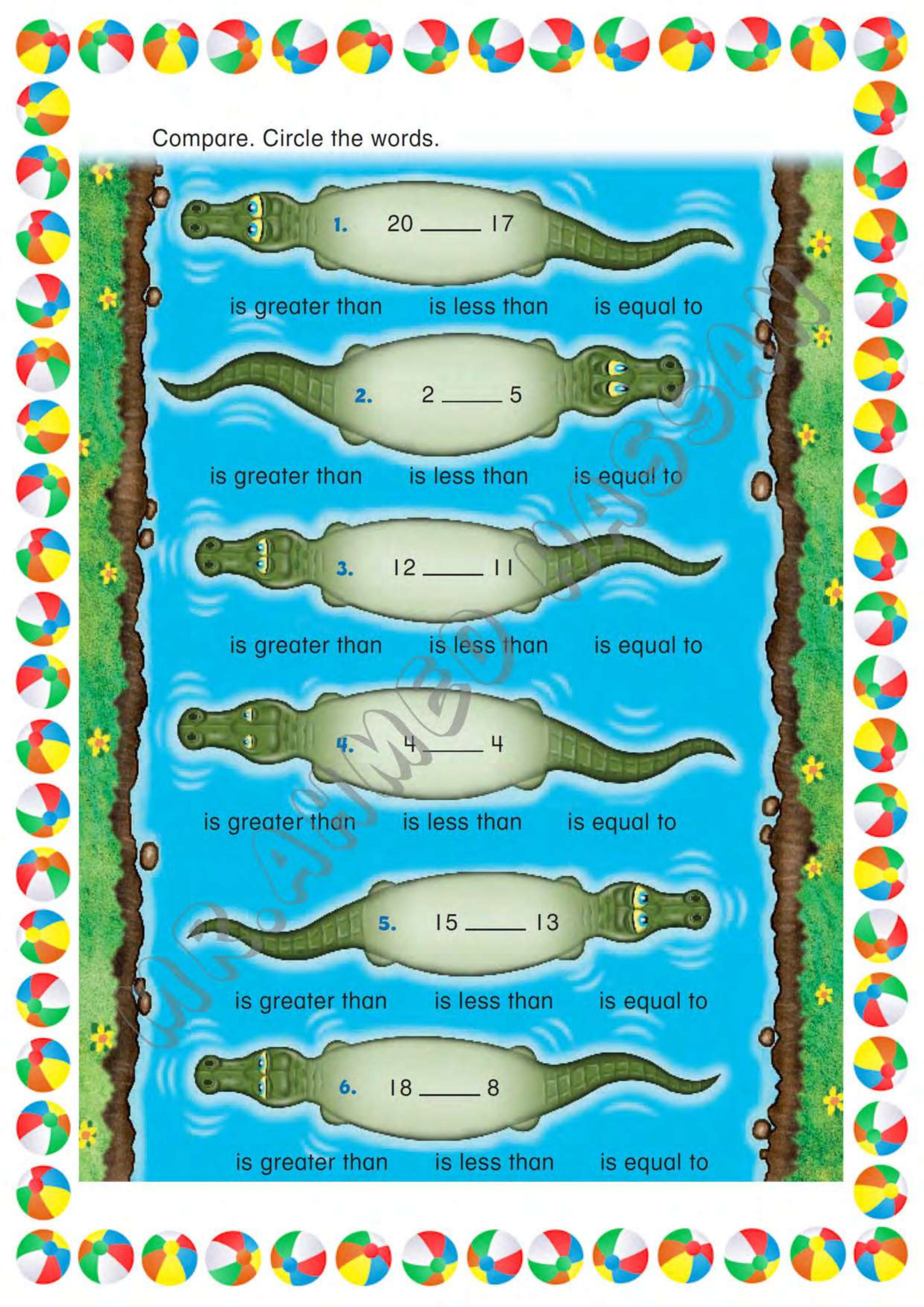
## H.O.T. Problem

**9. Thinking Math**

Alicia has 4 marbles. Kata has 14 marbles.
Ama has 11 marbles.

Who has the most? ____________

Who has the least? ____________



Compare. Circle the words.

1. 20 ____ 17

is greater than is less than is equal to

2. 2 ____ 5

is greater than is less than is equal to

3. 12 ____ 11

is greater than is less than is equal to

4. 4 ____ 4

is greater than is less than is equal to

5. 15 ____ 13

is greater than is less than is equal to

6. 18 ____ 8

is greater than is less than is equal to



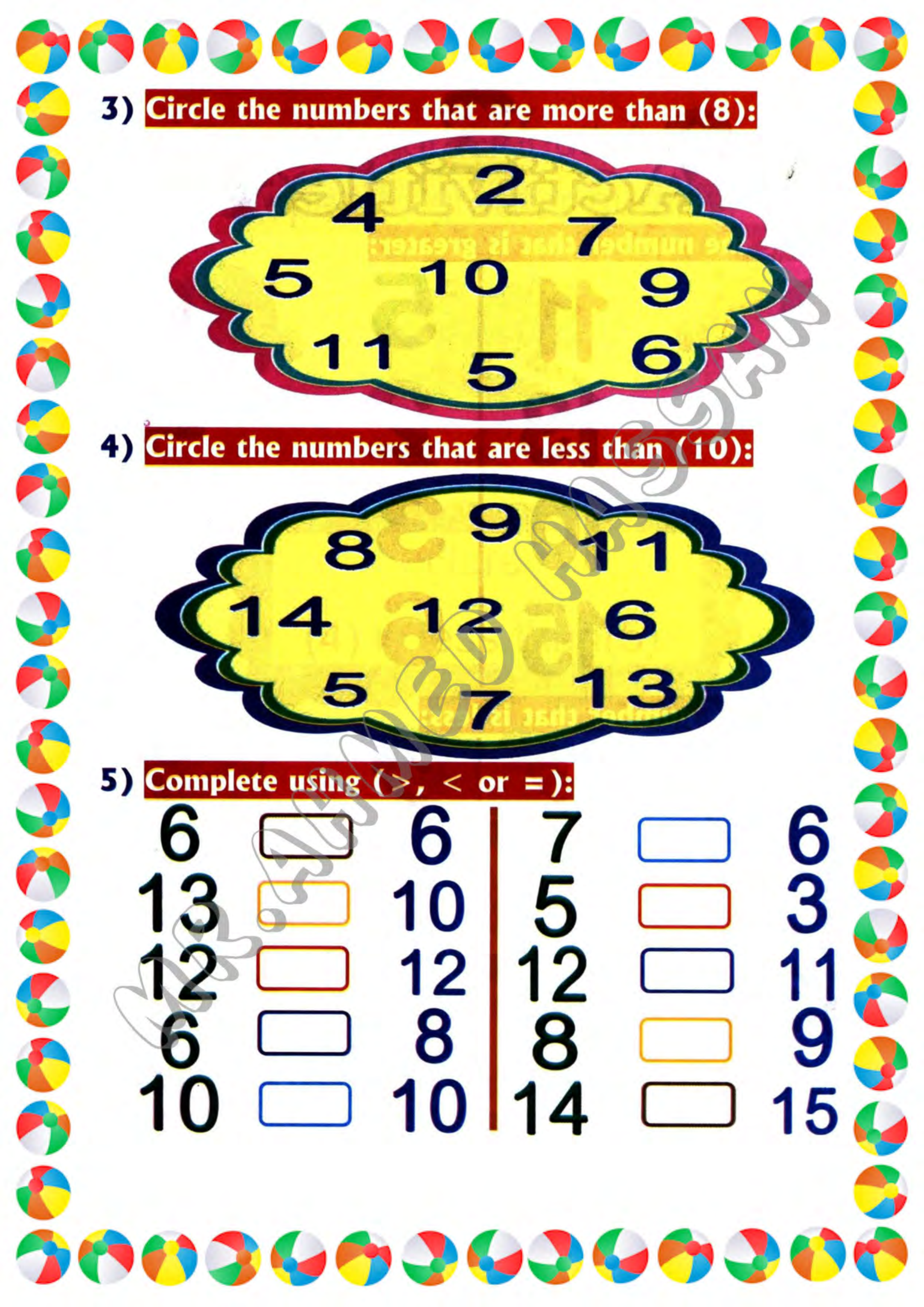
# Activities

1) Circle the number that is greater:

| | | | |
|---|---|---|---|
| 9 | 11 | 5 | 6 |
| 12 | 13 | 2 | 4 |
| 14 | 10 | 3 | 7 |
| 7 | 15 | 6 | 8 |

2) Circle the number that is less:

| | | | |
|---|---|---|---|
| 9 | 12 | 2 | 7 |
| 15 | 12 | 6 | 8 |
| 13 | 8 | 2 | 4 |
| 10 | 11 | 11 | 12 |



**3) Circle the numbers that are more than (8):**

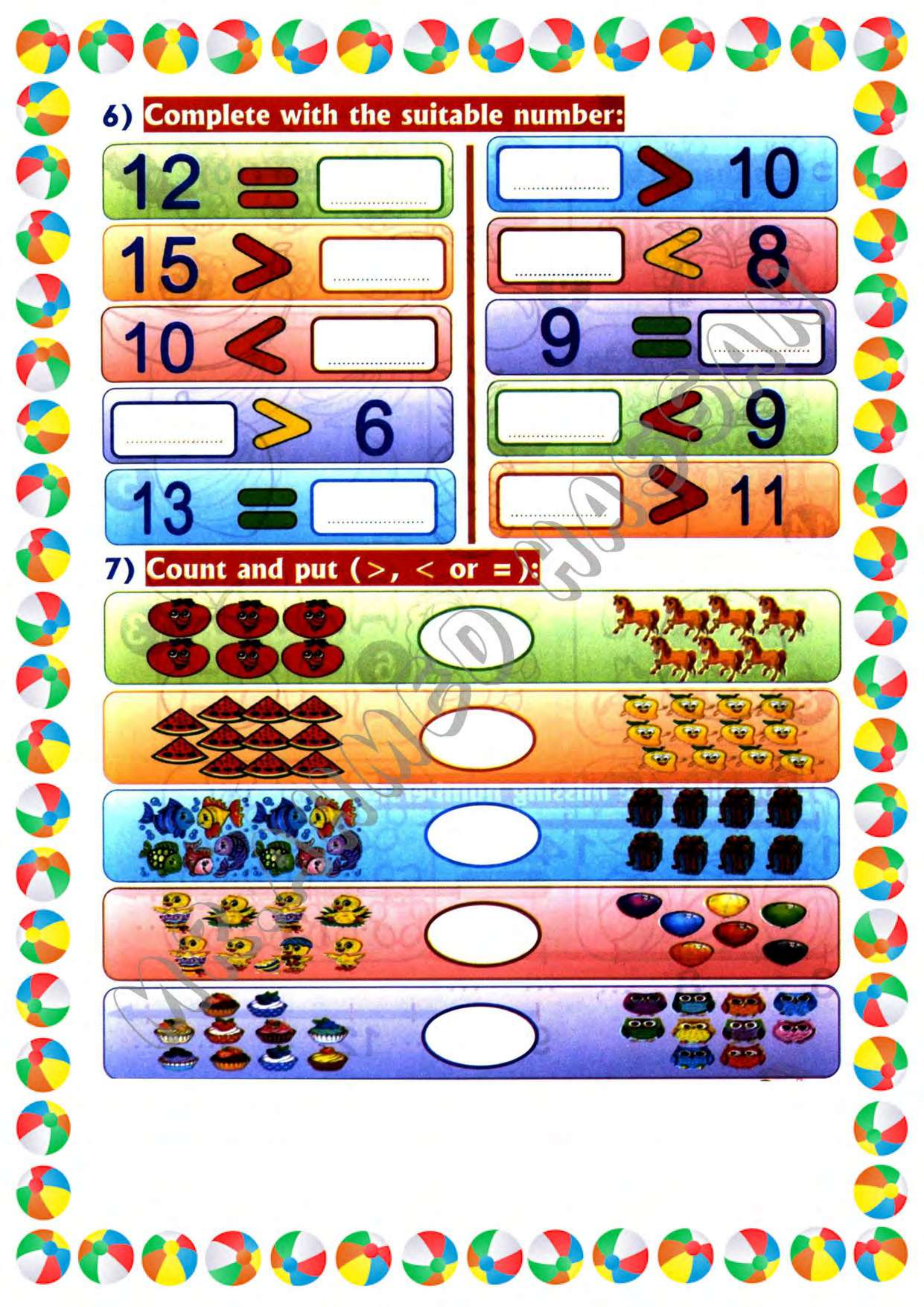
2 4 7 5 10 9 11 5 6

**4) Circle the numbers that are less than (10):**

9 8 11 14 12 6 5 7 13

**5) Complete using (>, < or =):**

| | | | | | |
|---|---|---|---|---|---|
| 6 | ☐ | 6 | 7 | ☐ | 6 |
| 13 | ☐ | 10 | 5 | ☐ | 3 |
| 12 | ☐ | 12 | 12 | ☐ | 11 |
| 6 | ☐ | 8 | 8 | ☐ | 9 |
| 10 | ☐ | 10 | 14 | ☐ | 15 |



6) **Complete with the suitable number:**

12 = ..................

15 > ..................

10 < ..................

.................. > 6

13 = ..................

.................. > 10

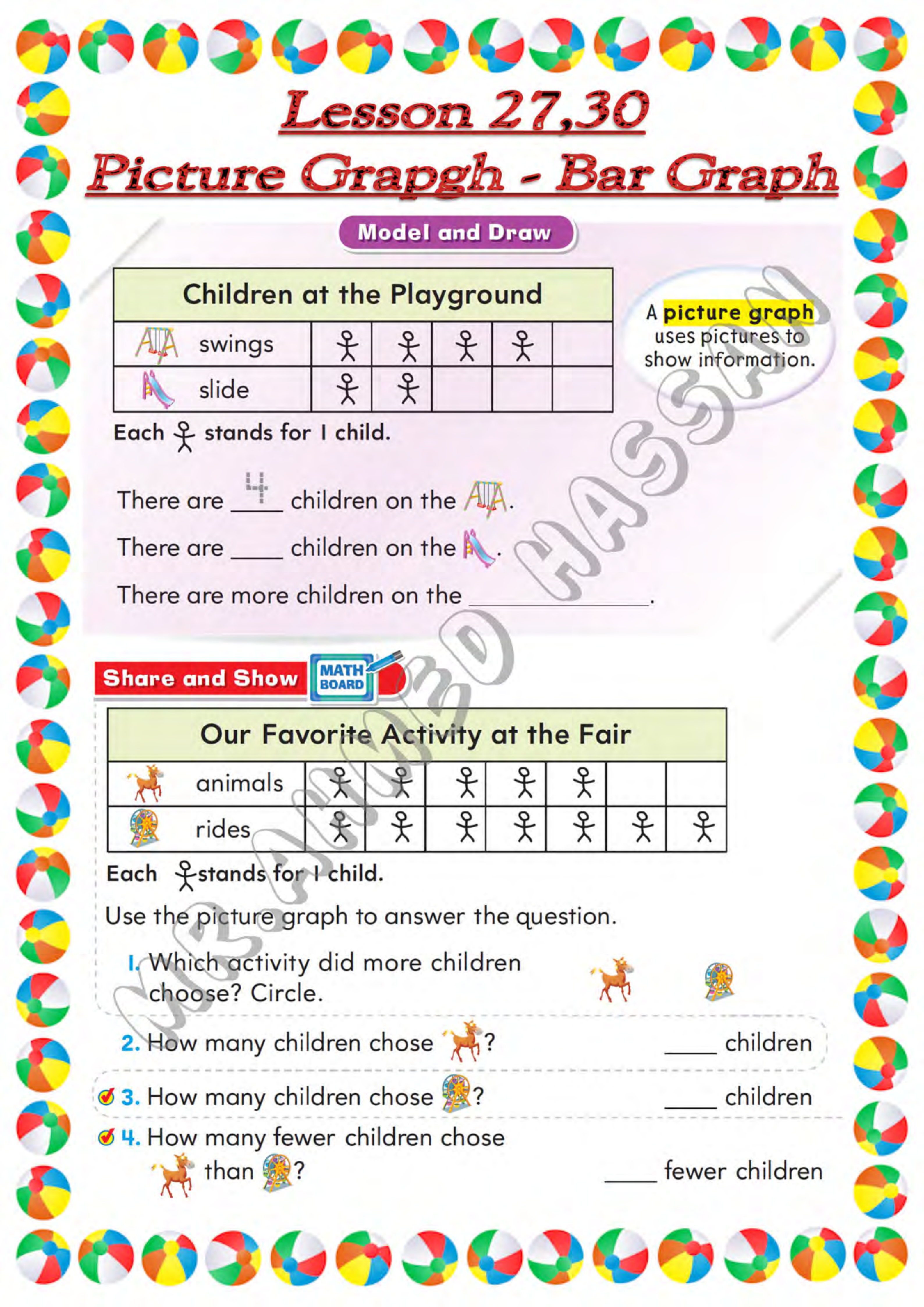
.................. < 8

9 = ..................

.................. < 9

.................. > 11

7) **Count and put (>, < or =):**



# Lesson 27,30

# Picture Grapgh - Bar Graph

## Model and Draw

| Children at the Playground | | | | | |
|---|---|---|---|---|---|
| swings | 웃 | 웃 | 웃 | 웃 | |
| slide | 웃 | 웃 | | | |

**Each 웃 stands for 1 child.**

A **picture graph** uses pictures to show information.

There are 4 children on the swings.

There are ____ children on the slide.

There are more children on the ______________.

## Share and Show

MATH BOARD

| Our Favorite Activity at the Fair | | | | | | | |
|---|---|---|---|---|---|---|---|
| animals | 웃 | 웃 | 웃 | 웃 | 웃 | | |
| rides | 웃 | 웃 | 웃 | 웃 | 웃 | 웃 | 웃 |

**Each 웃 stands for 1 child.**

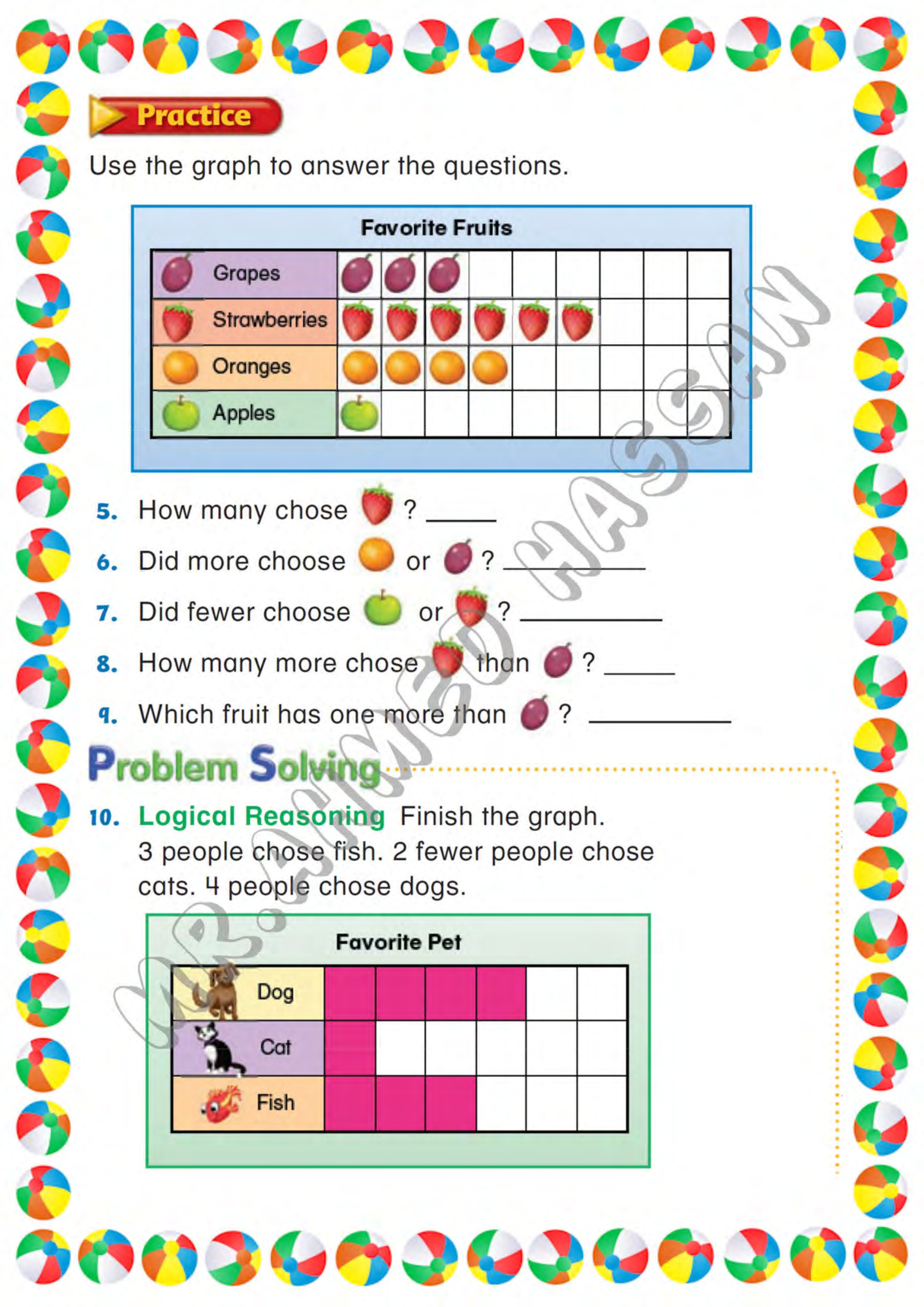
Use the picture graph to answer the question.

1. Which activity did more children choose? Circle.

2. How many children chose animals? ____ children

3. How many children chose rides? ____ children

4. How many fewer children chose animals than rides? ____ fewer children



## Practice

Use the graph to answer the questions.

**Favorite Fruits**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grapes | | | | | | | | | | |
| Strawberries | | | | | | | | | | |
| Oranges | | | | | | | | | | |
| Apples | | | | | | | | | | |

**5.** How many chose ? _____

**6.** Did more choose or ? __________

**7.** Did fewer choose or ? __________

**8.** How many more chose than ? _____

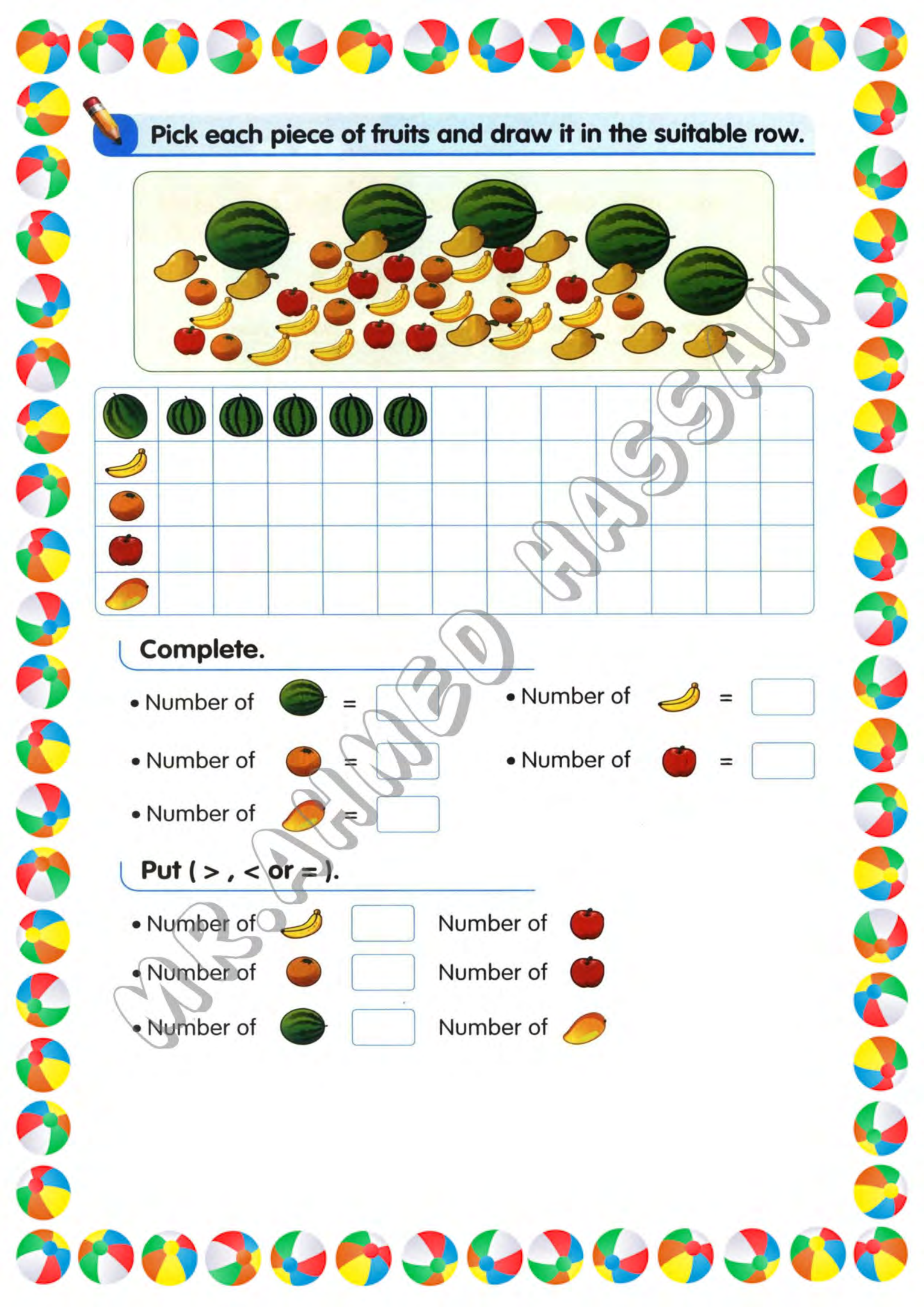
**9.** Which fruit has one more than ? __________

## Problem Solving

**10.** **Logical Reasoning** Finish the graph.
3 people chose fish. 2 fewer people chose cats. 4 people chose dogs.

**Favorite Pet**

| | | | | | | |
|---|---|---|---|---|---|---|
| Dog | | | | | | |
| Cat | | | | | | |
| Fish | | | | | | |



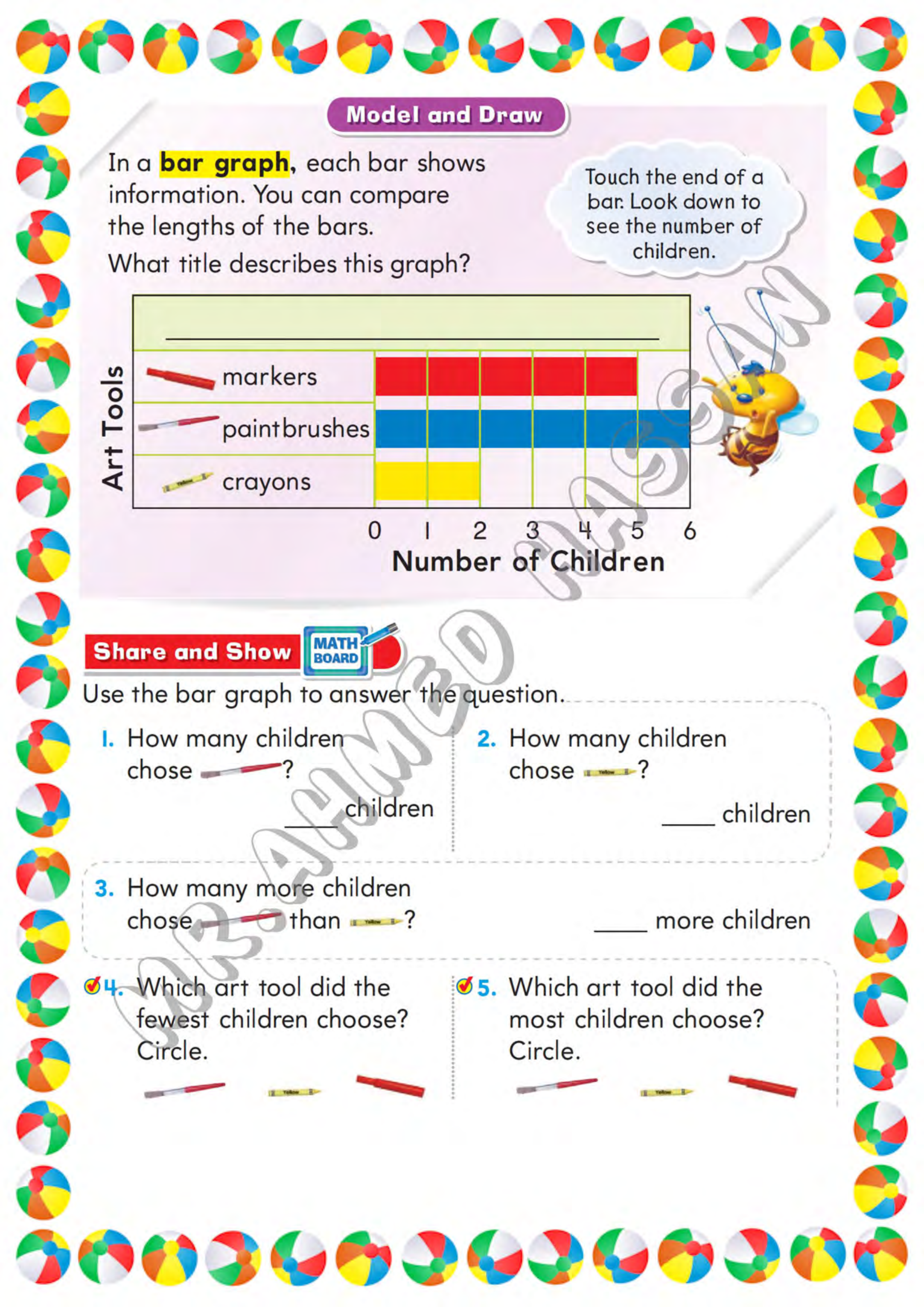
## Pick each piece of fruits and draw it in the suitable row.

### Complete.

- Number of = 
- Number of = 
- Number of = 
- Number of = 
- Number of = 

### Put ( > , < or = ).

- Number of Number of
- Number of Number of
- Number of Number of



## Model and Draw

In a **bar graph**, each bar shows information. You can compare the lengths of the bars.

What title describes this graph?

Touch the end of a bar. Look down to see the number of children.



## Share and Show

MATH BOARD

Use the bar graph to answer the question.

1. How many children chose [paintbrush]?

_____ children

2. How many children chose [crayon]?

_____ children

3. How many more children chose [paintbrush] than [crayon]?

_____ more children

4. Which art tool did the fewest children choose? Circle.

[paintbrush] [crayon] [marker]

5. Which art tool did the most children choose? Circle.

[paintbrush] [crayon] [marker]



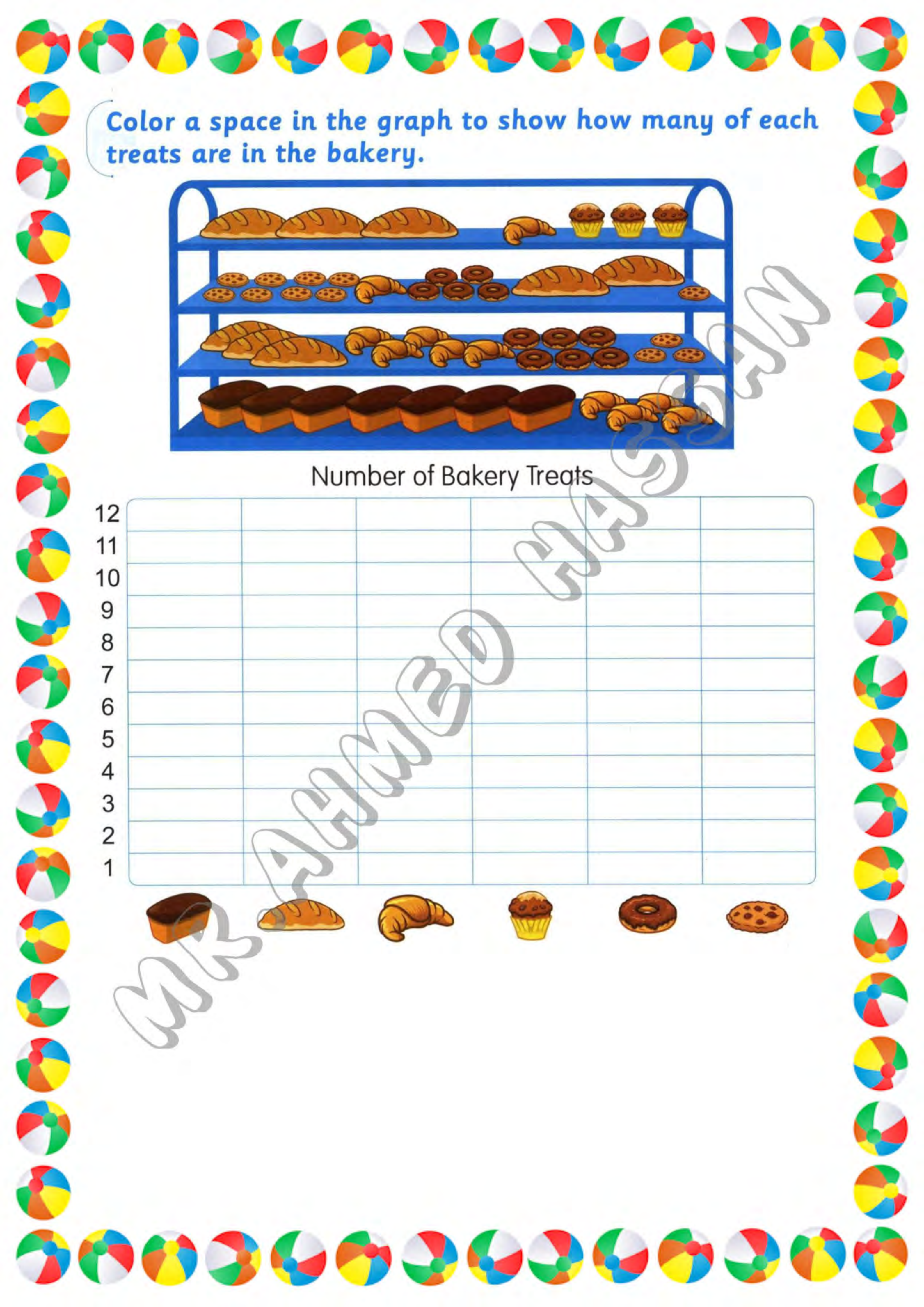
## Color according to the number of each item in the picture.

| | | | | | |
|---|---|---|---|---|---|
| 7 | | | | | |
| 6 | | | | | |
| 5 | | | | | |
| 4 | | | | | |
| 3 | | | | | |
| 2 | | | | | |
| 1 | | | | | |

## Mark ✓ for the correct choice.

- The most number is of ☐ ☐ ☐ ☐ ☐
- The least number is of ☐ ☐ ☐ ☐ ☐

Color a space in the graph to show how many of each treats are in the bakery.



# Lessons 31-40
# Classifying Shapes

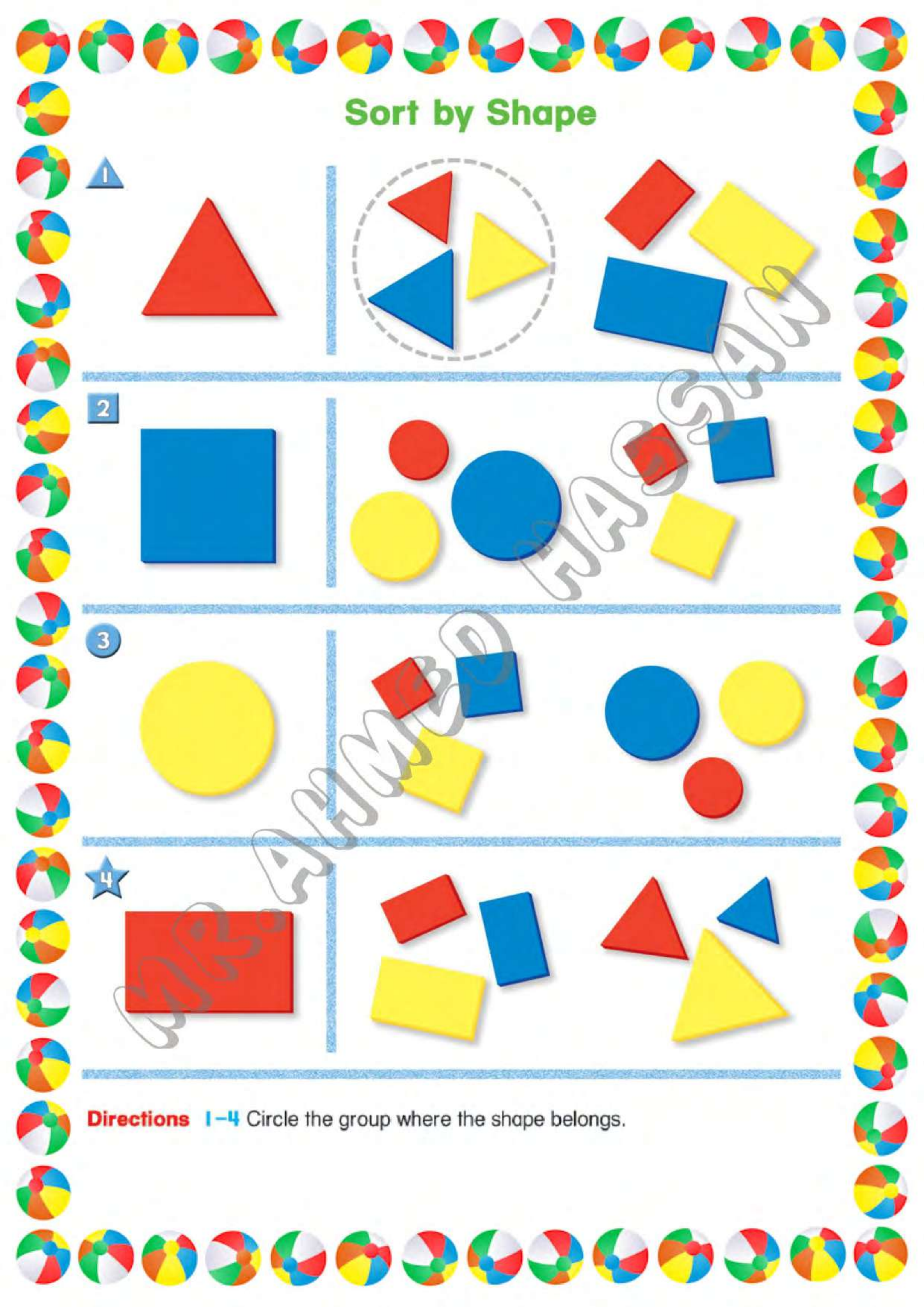
## Sort by Size



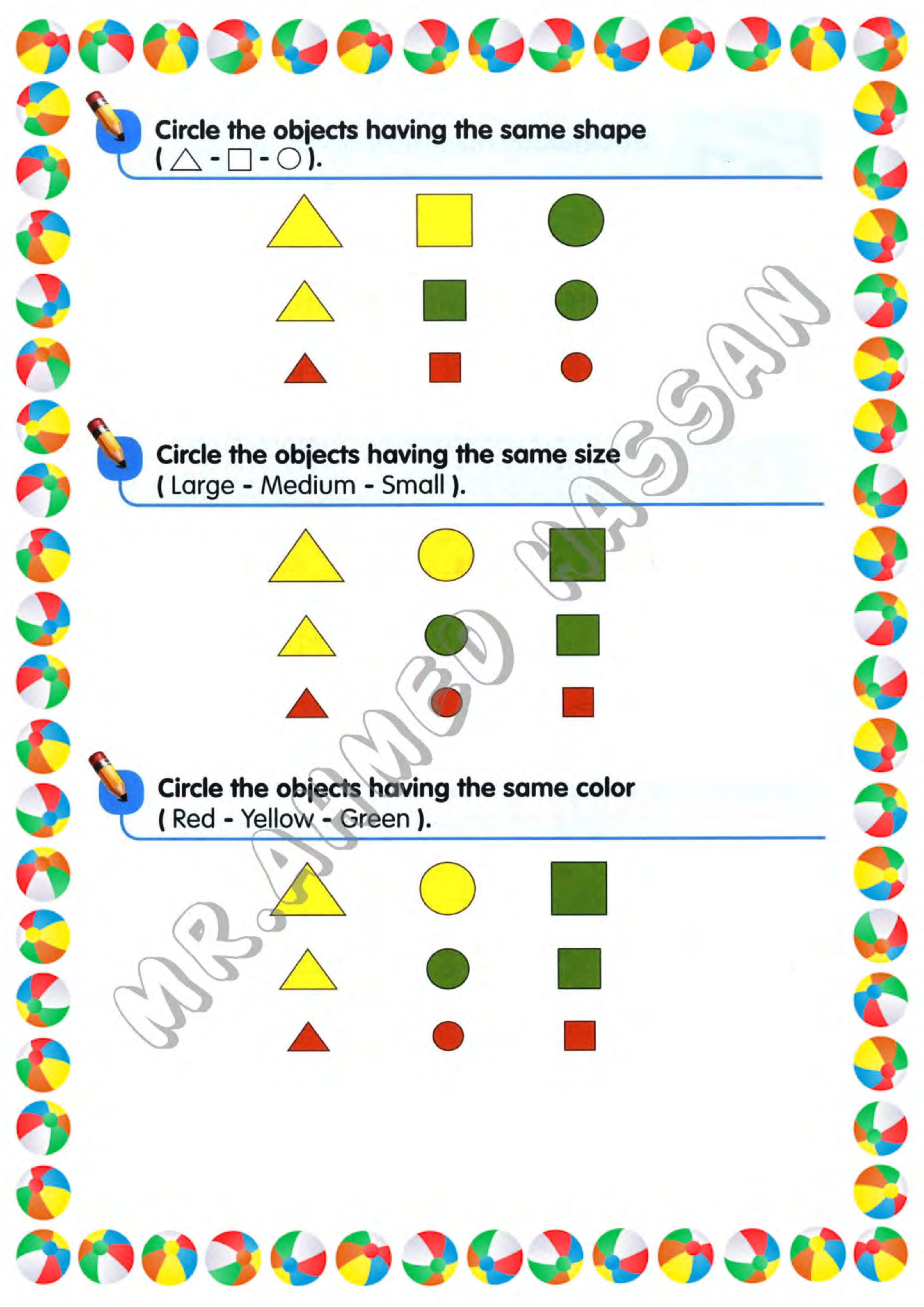


**Directions** 1 Circle the big shapes red. 2 Circle the small shapes blue.

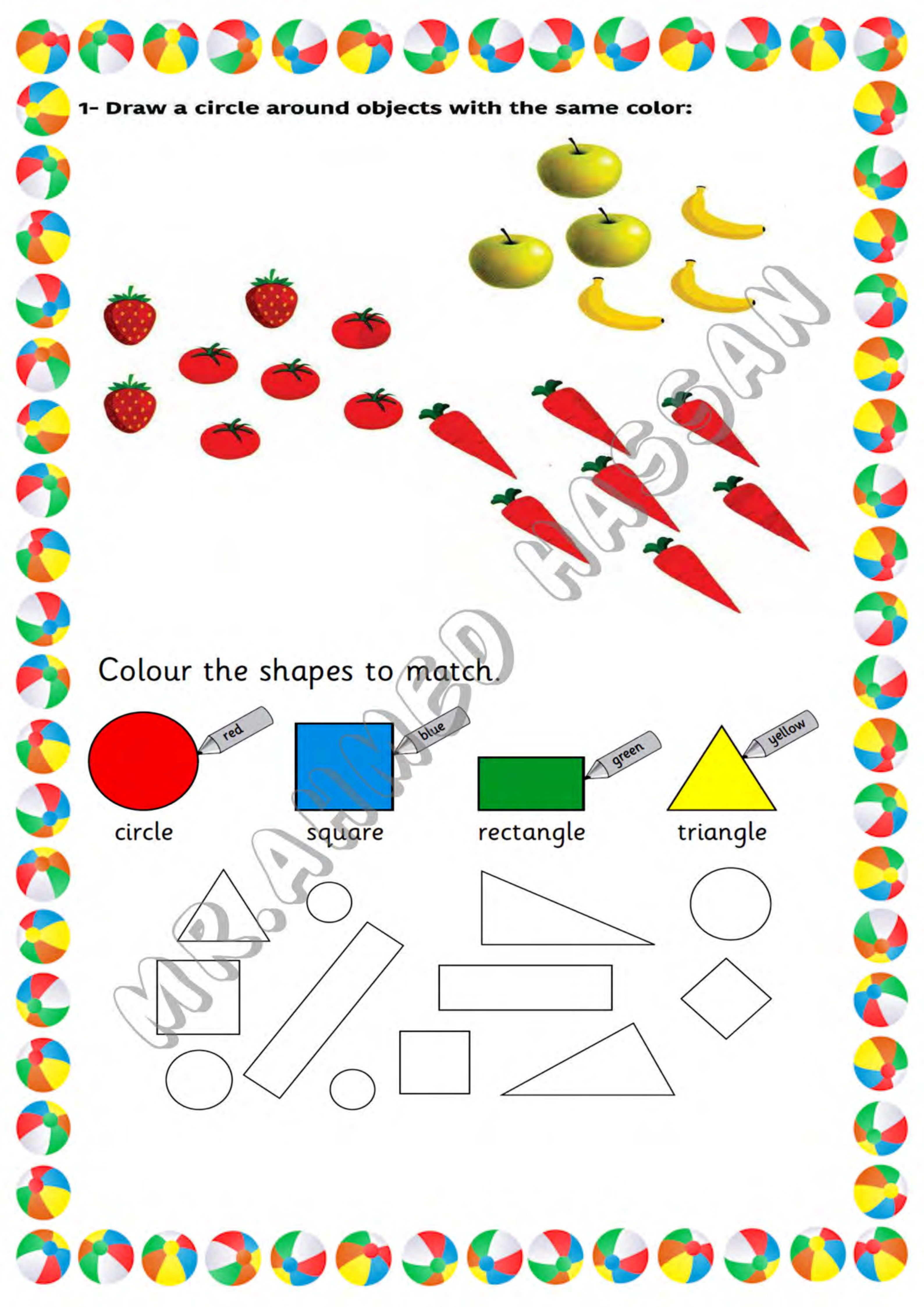
# Sort by Shape



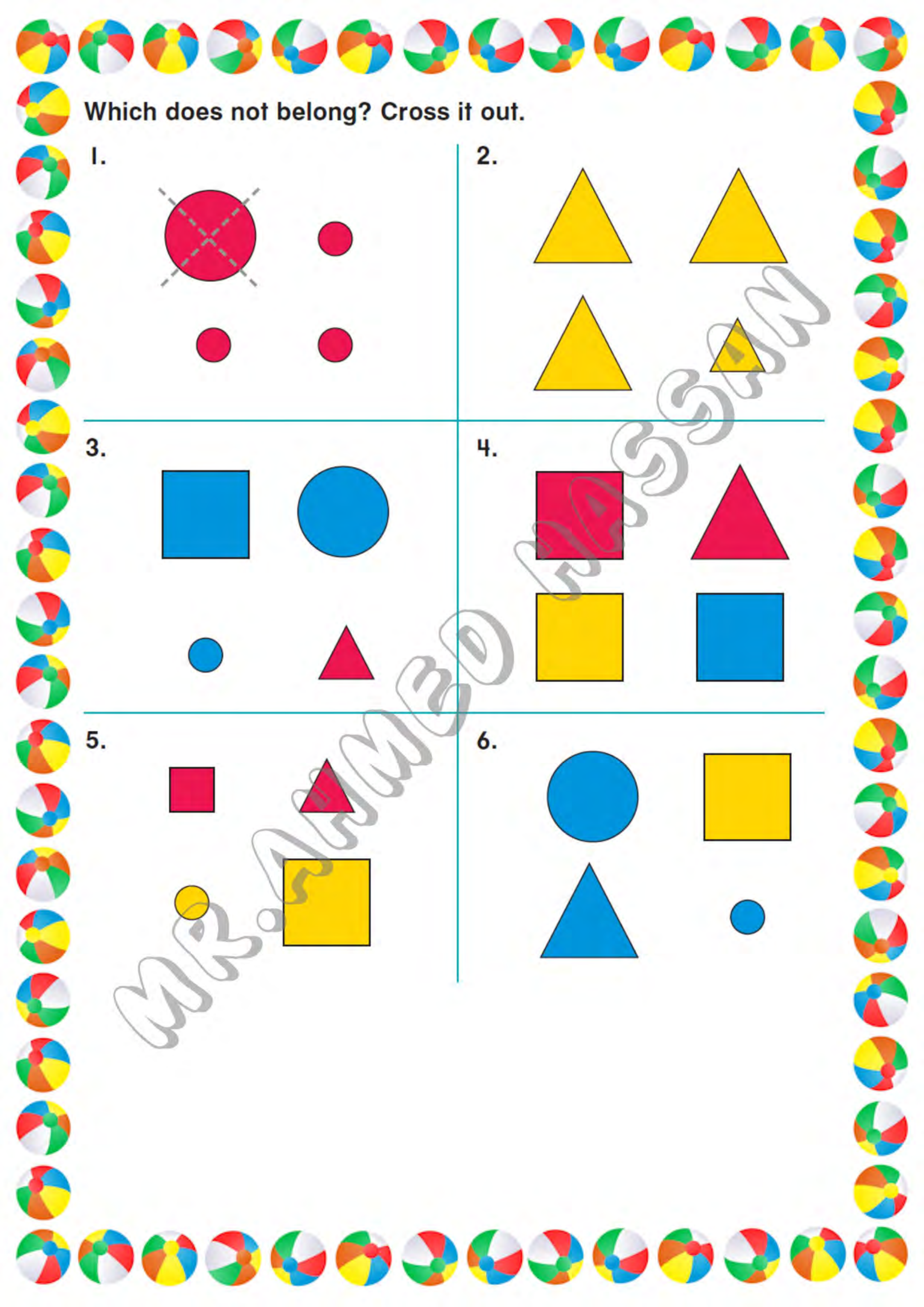

**Directions** 1–4 Circle the group where the shape belongs.

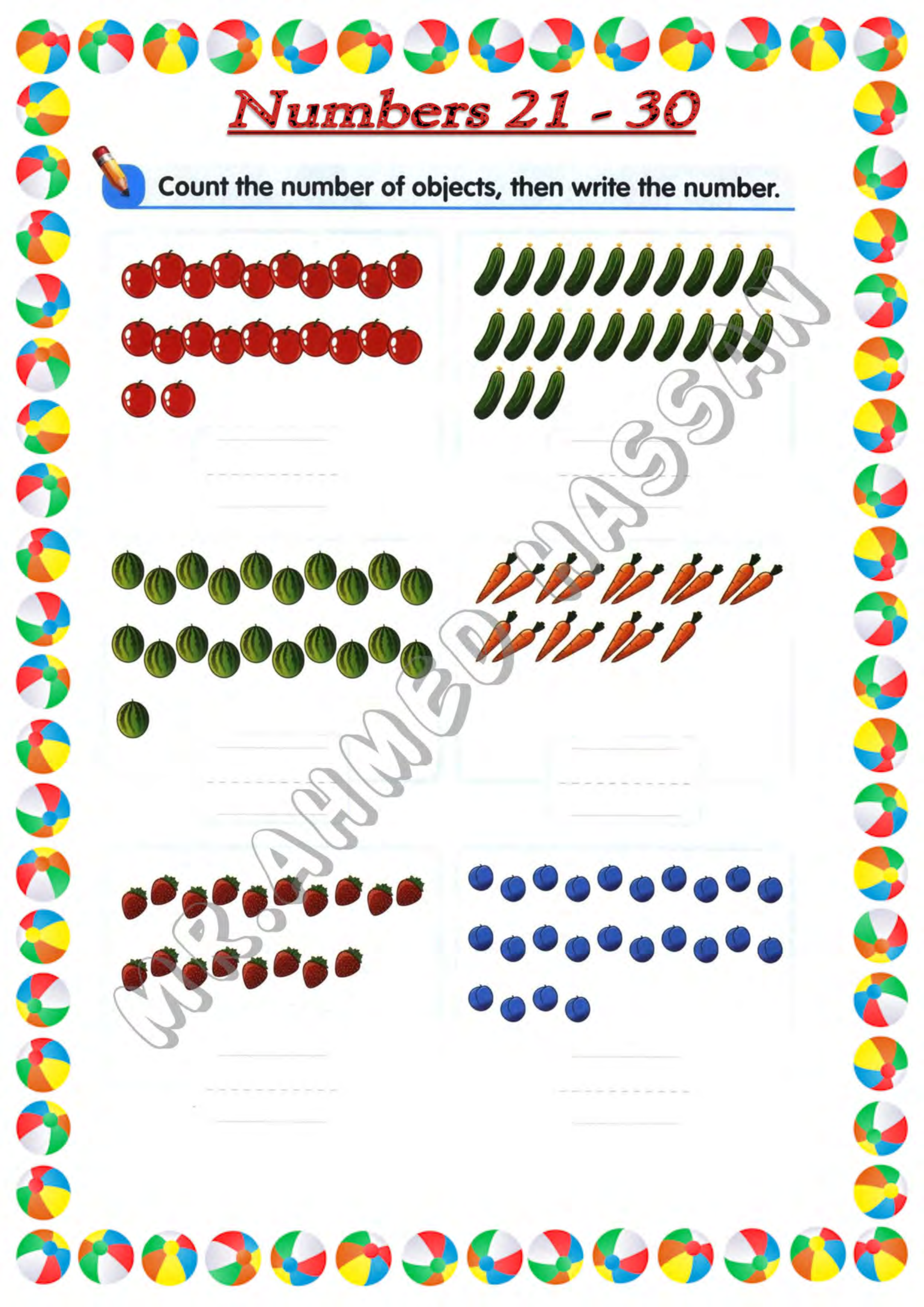

Circle the objects having the same shape
( △ - □ - ○ ).
Circle the objects having the same size
( Large - Medium - Small ).
Circle the objects having the same color
( Red - Yellow - Green ).

1- Draw a circle around objects with the same color:



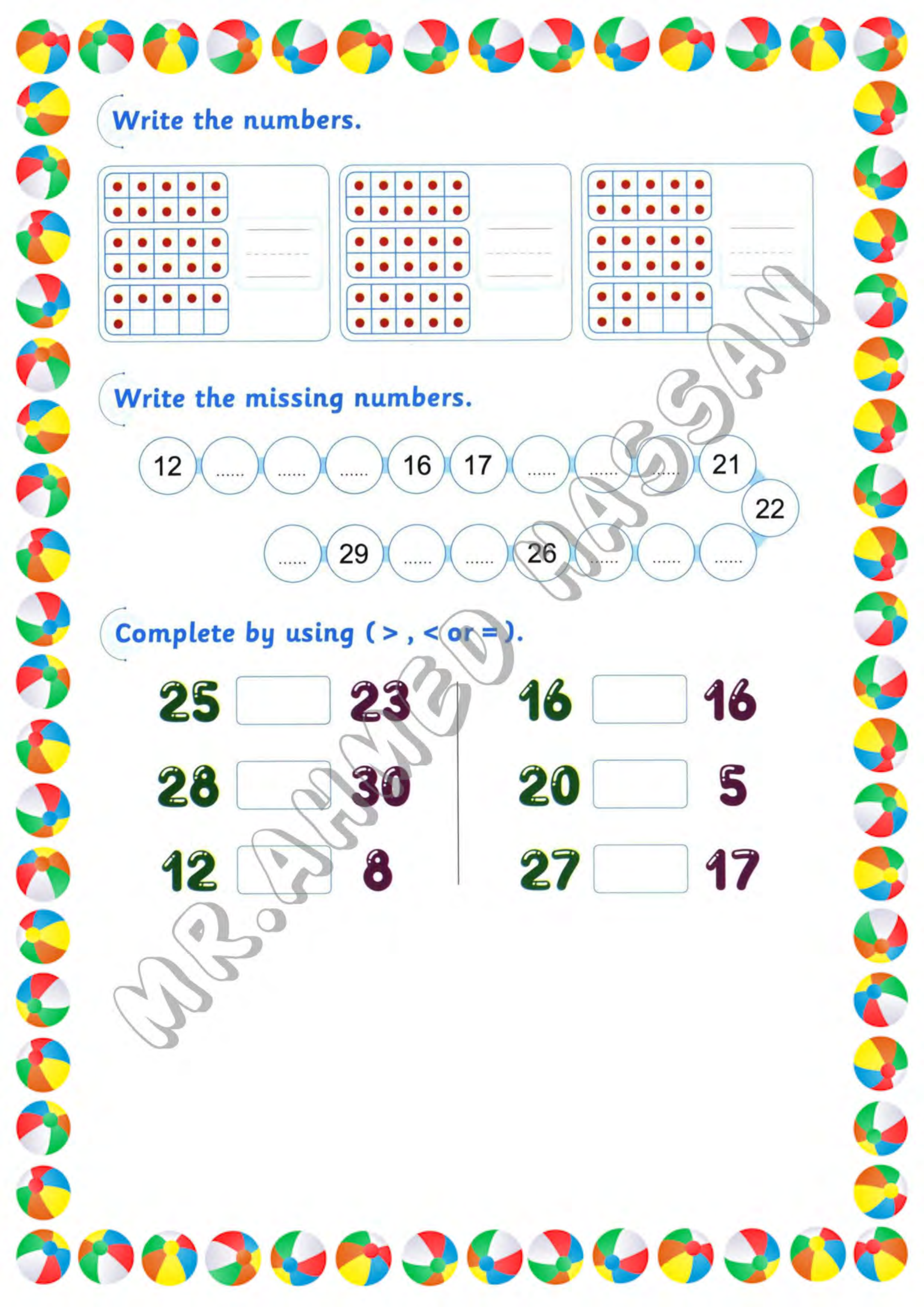

Colour the shapes to match.


Which does not belong? Cross it out.
1.
2.
3.
4.
5.
6.



# Numbers 21 - 30

Count the number of objects, then write the number.



## Write the numbers.

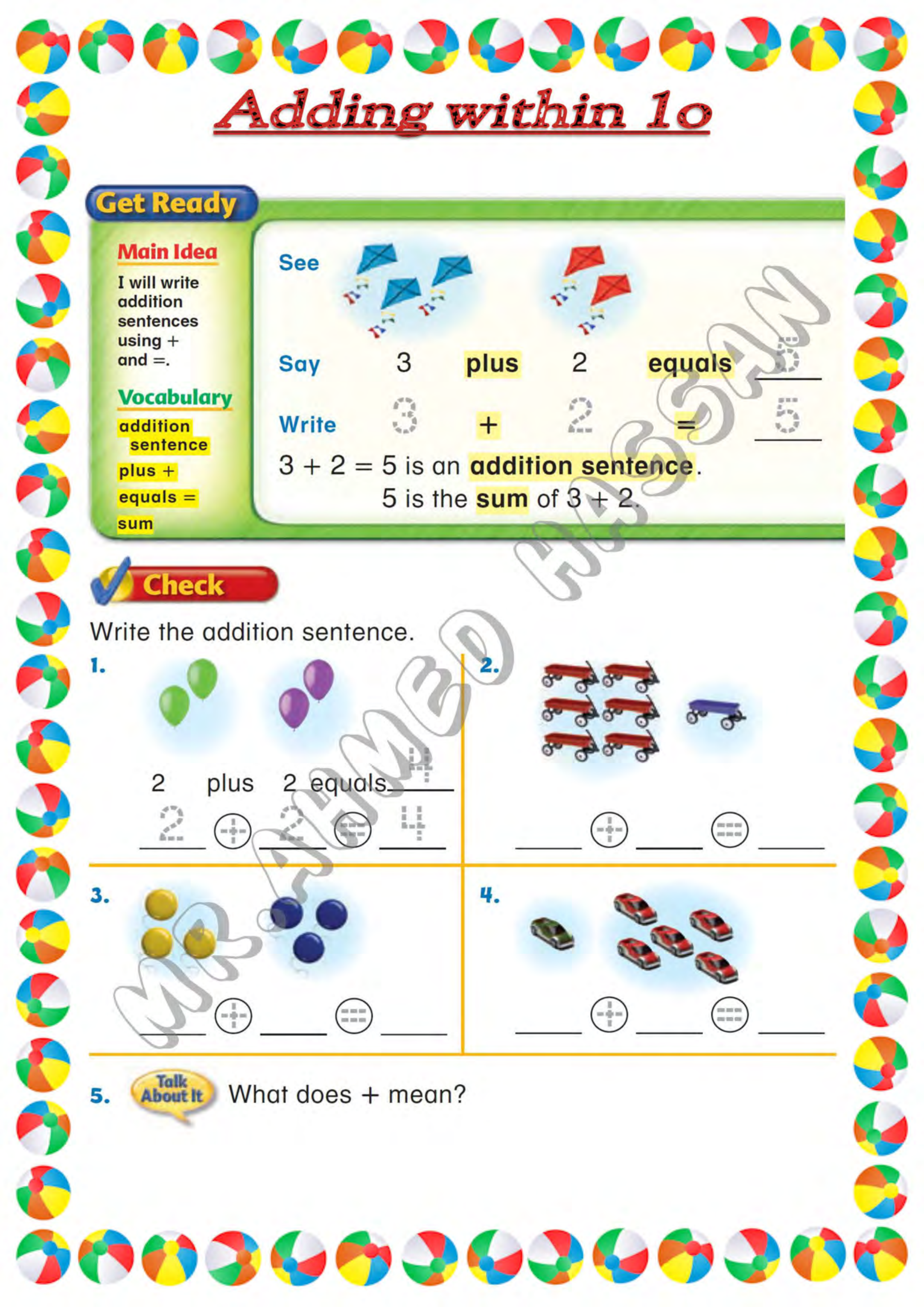
## Write the missing numbers.

12, ......, ......, ......, 16, 17, ......, ......, ......, 21, 22

......, 29, ......, ......, 26, ......, ......, ......

## Complete by using ( > , < or = ).

| | | | | | |
|---|---|---|---|---|---|
| 25 | | 23 | 16 | | 16 |
| 28 | | 30 | 20 | | 5 |
| 12 | | 8 | 27 | | 17 |



# Adding within 10

## Get Ready

**Main Idea**

I will write addition sentences using + and =.

**Vocabulary**

addition sentence

plus +

equals =

sum

See

Say 3 **plus** 2 **equals** 5

Write 3 + 2 = 5

3 + 2 = 5 is an **addition sentence**.

5 is the **sum** of 3 + 2.

## Check

Write the addition sentence.

1. 2 plus 2 equals 4

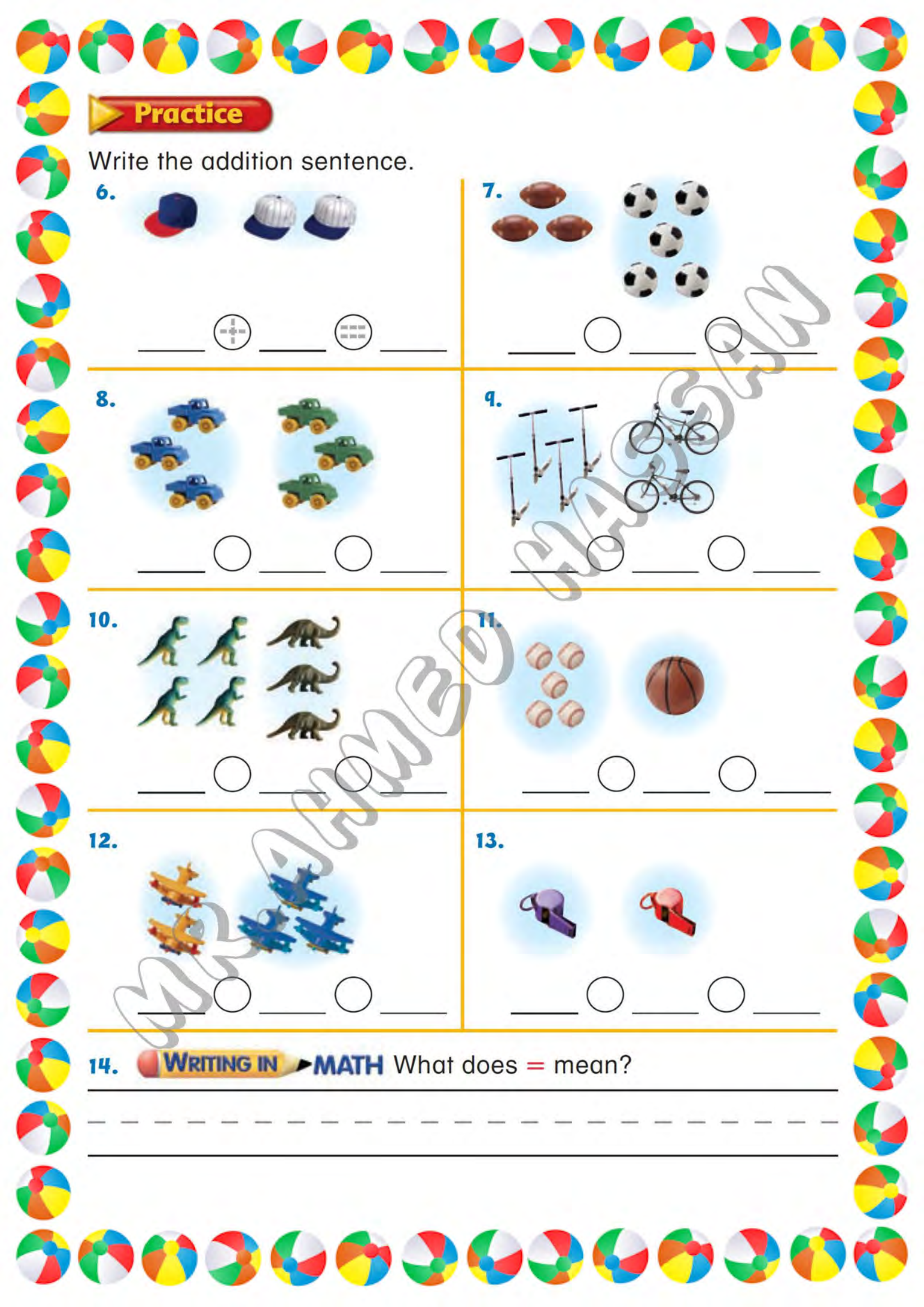
2 + 2 = 4

2. ___ + ___ = ___

3. ___ + ___ = ___

4. ___ + ___ = ___

5. Talk About It What does + mean?



## Practice

Write the addition sentence.

6. ____ + ____ = ____

7. ____ ◯ ____ ◯ ____

8. ____ ◯ ____ ◯ ____

9. ____ ◯ ____ ◯ ____

10. ____ ◯ ____ ◯ ____

11. ____ ◯ ____ ◯ ____

12. ____ ◯ ____ ◯ ____

13. ____ ◯ ____ ◯ ____

14. WRITING IN MATH What does = mean?

______________________________________


Write the number, then add.
+
=
+
=
+
=
+
=



Write an addition sentence.

1. ____ ◯ ____ ◯ ____

2. ____ ◯ ____ ◯ ____

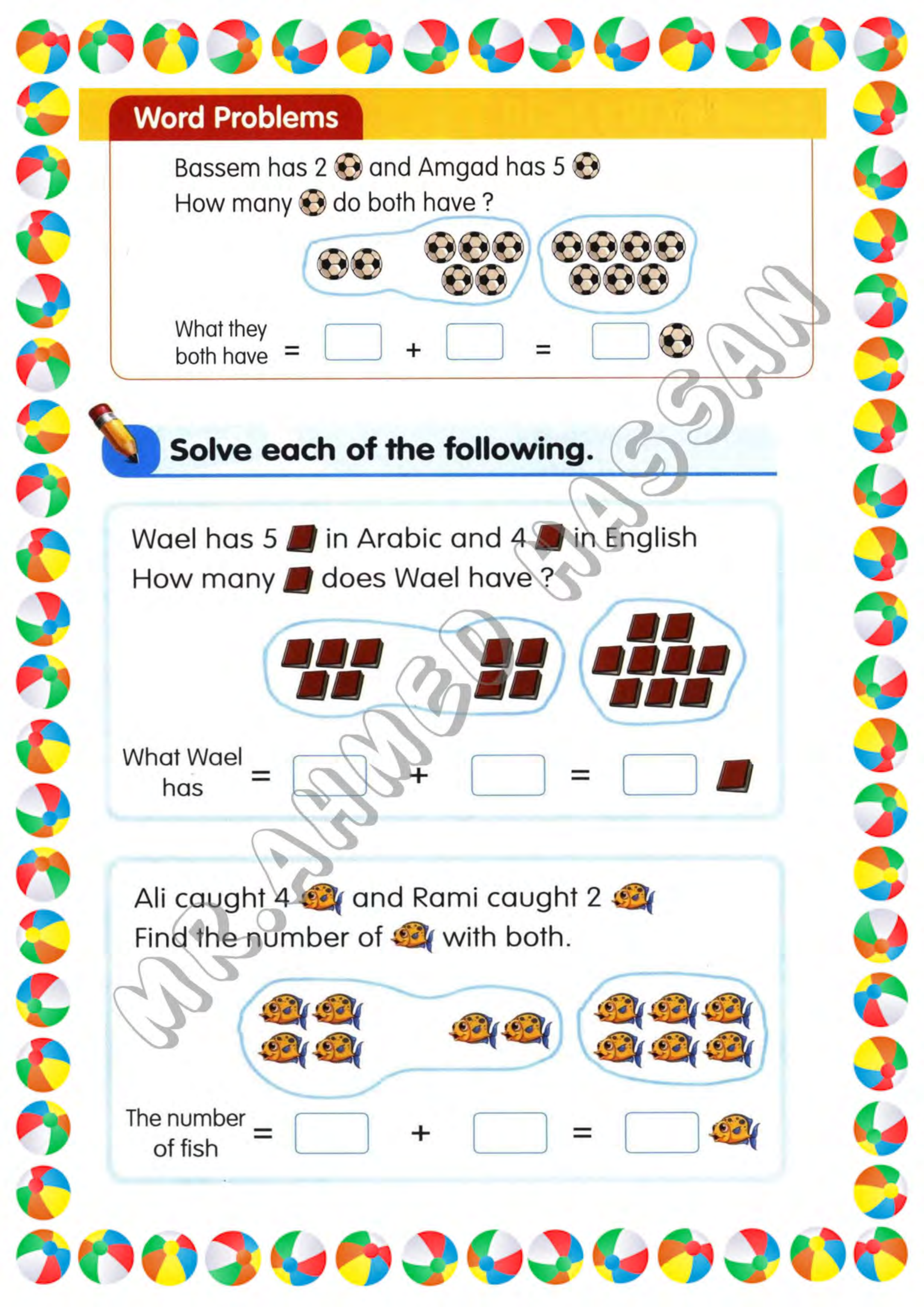
3. ____ ◯ ____ ◯ ____

4. ____ ◯ ____ ◯ ____

5. ____ ◯ ____ ◯ ____

6. ____ ◯ ____ ◯ ____

7. ____ ◯ ____ ◯ ____



## Word Problems

Bassem has 2 ⚽ and Amgad has 5 ⚽
How many ⚽ do both have ?

What they both have = ☐ + ☐ = ☐ ⚽

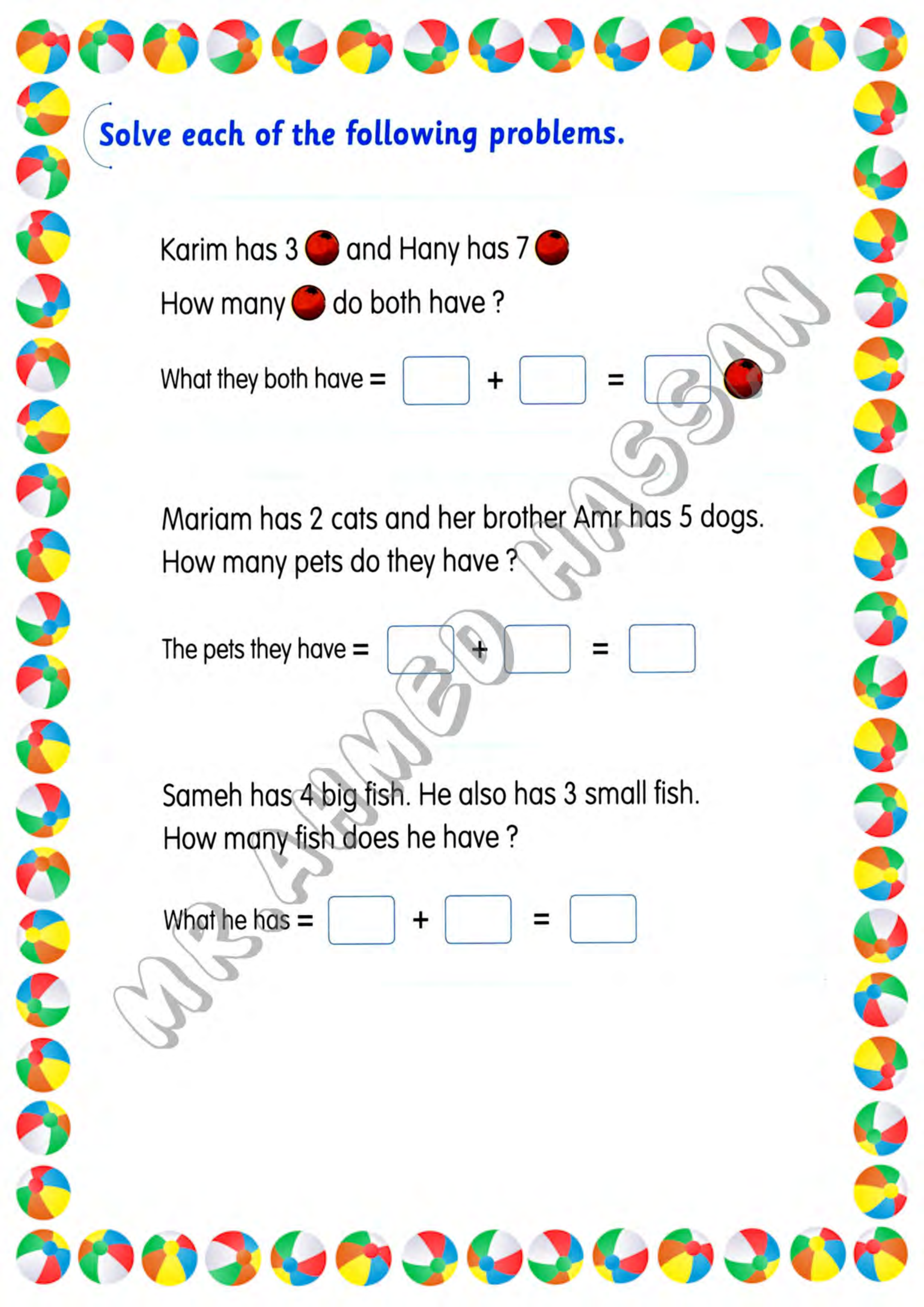
## Solve each of the following.

Wael has 5 books in Arabic and 4 in English
How many does Wael have ?

What Wael has = ☐ + ☐ = ☐

Ali caught 4 fish and Rami caught 2
Find the number of fish with both.

The number of fish = ☐ + ☐ = ☐



## Solve each of the following problems.

Karim has 3 and Hany has 7

How many do both have ?

What they both have = ☐ + ☐ = ☐

Mariam has 2 cats and her brother Amr has 5 dogs.

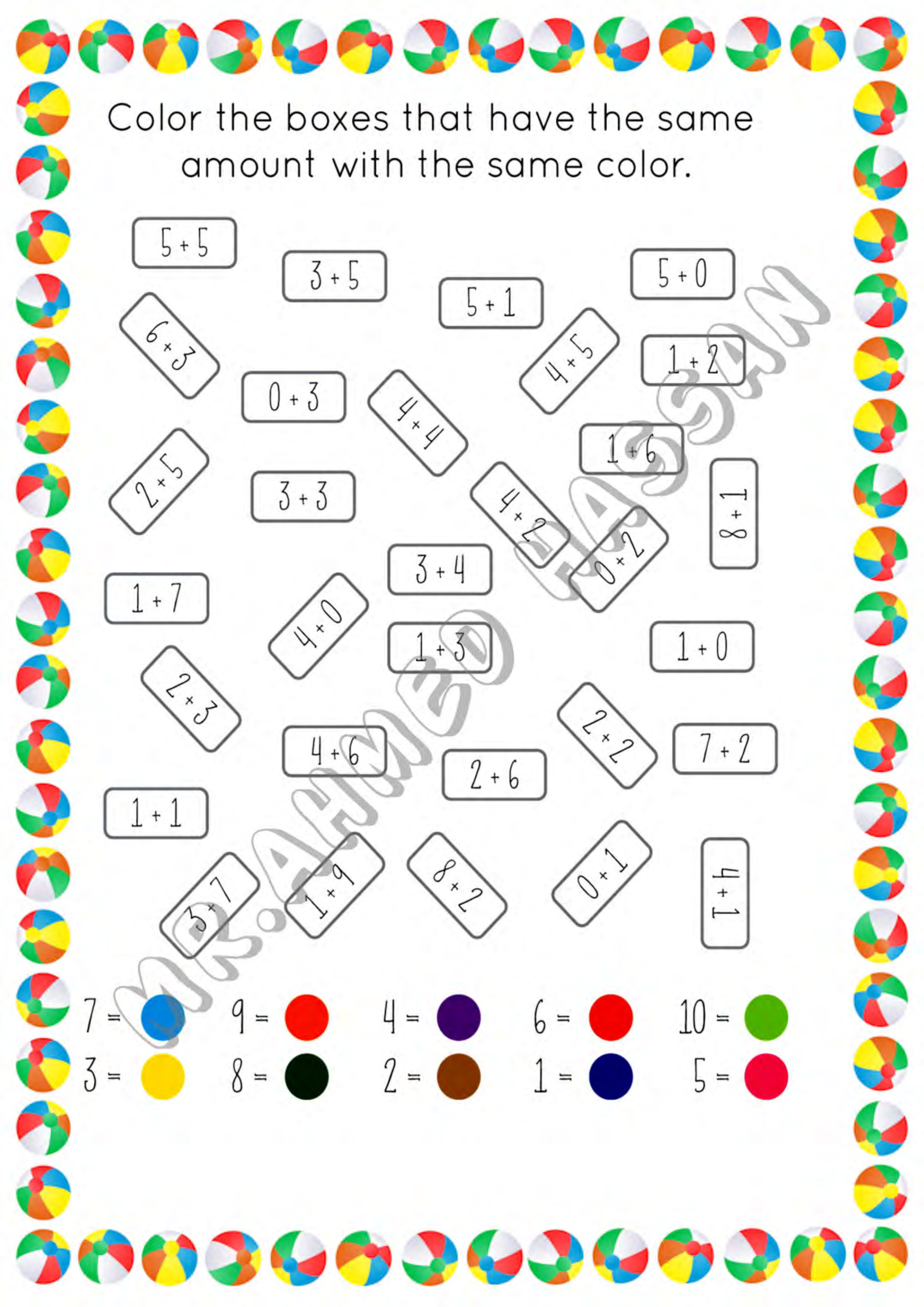
How many pets do they have ?

The pets they have = ☐ + ☐ = ☐

Sameh has 4 big fish. He also has 3 small fish.

How many fish does he have ?

What he has = ☐ + ☐ = ☐



Color the boxes that have the same amount with the same color.
5 + 5
3 + 5
5 + 1
5 + 0
6 + 3
4 + 5
1 + 2
0 + 3
4 + 4
1 + 6
2 + 5
3 + 3
4 + 2
0 + 2
8 + 1
3 + 4
1 + 7
4 + 0
1 + 3
1 + 0
2 + 3
2 + 2
7 + 2
4 + 6
2 + 6
1 + 1
3 + 7
1 + 9
8 + 2
0 + 1
4 + 1
7 =
9 =
4 =
6 =
10 =
3 =
8 =
2 =
1 =
5 =
MR.AHMED HASSAN

# Components of 10

1 + 9

4 + 6

10

2 + 8

5 + 5

3 + 7

0 + 10

Match to make 10.

| 2 | 0 | 5 | 3 | 4 |
|---|---|---|---|---|
| 5 | 8 | 10 | 6 | 7 |

Count, write the numbers then match to make 10.

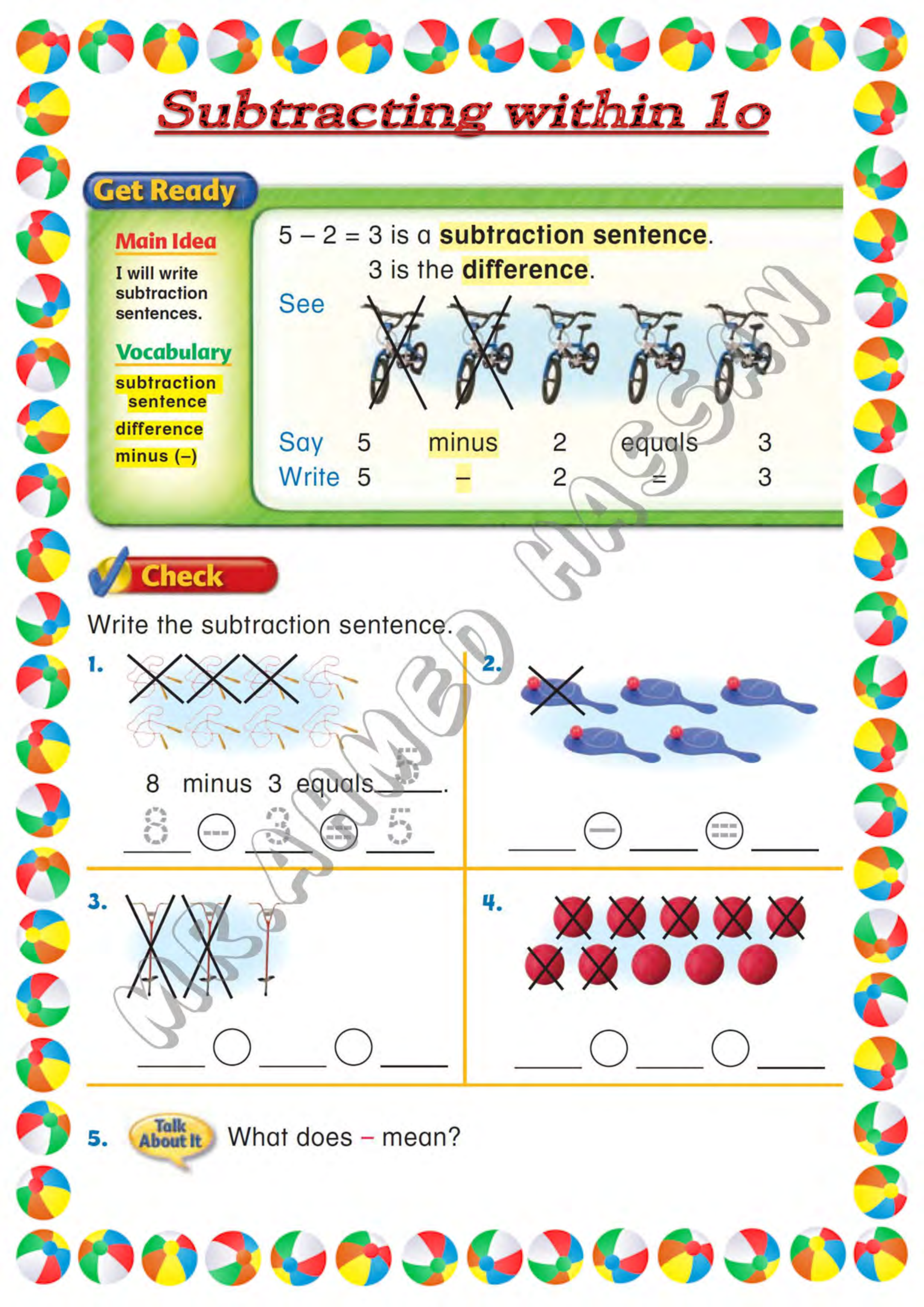




Lessons 41 - 46
Numbers 31 - 40
Numbers can be written and orderd easily:
31
34
40
37
2- Complete the missing numbers to help the rabbit to reach the carrot:
1
2
5
7
8
9
11
12
14
16
18
20
21
23
25
26
27
29
31
32
34
36
37
39
40

**1- Circle the number that comes just before, then write it:**





# Subtracting within 10

## Get Ready

**Main Idea**

I will write subtraction sentences.

**Vocabulary**

subtraction sentence

difference

minus (–)

5 – 2 = 3 is a **subtraction sentence**.

3 is the **difference**.

See

| | | | | | |
|---|---|---|---|---|---|
| Say | 5 | minus | 2 | equals | 3 |
| Write | 5 | – | 2 | = | 3 |

## Check

Write the subtraction sentence.

1. 8 minus 3 equals 5.

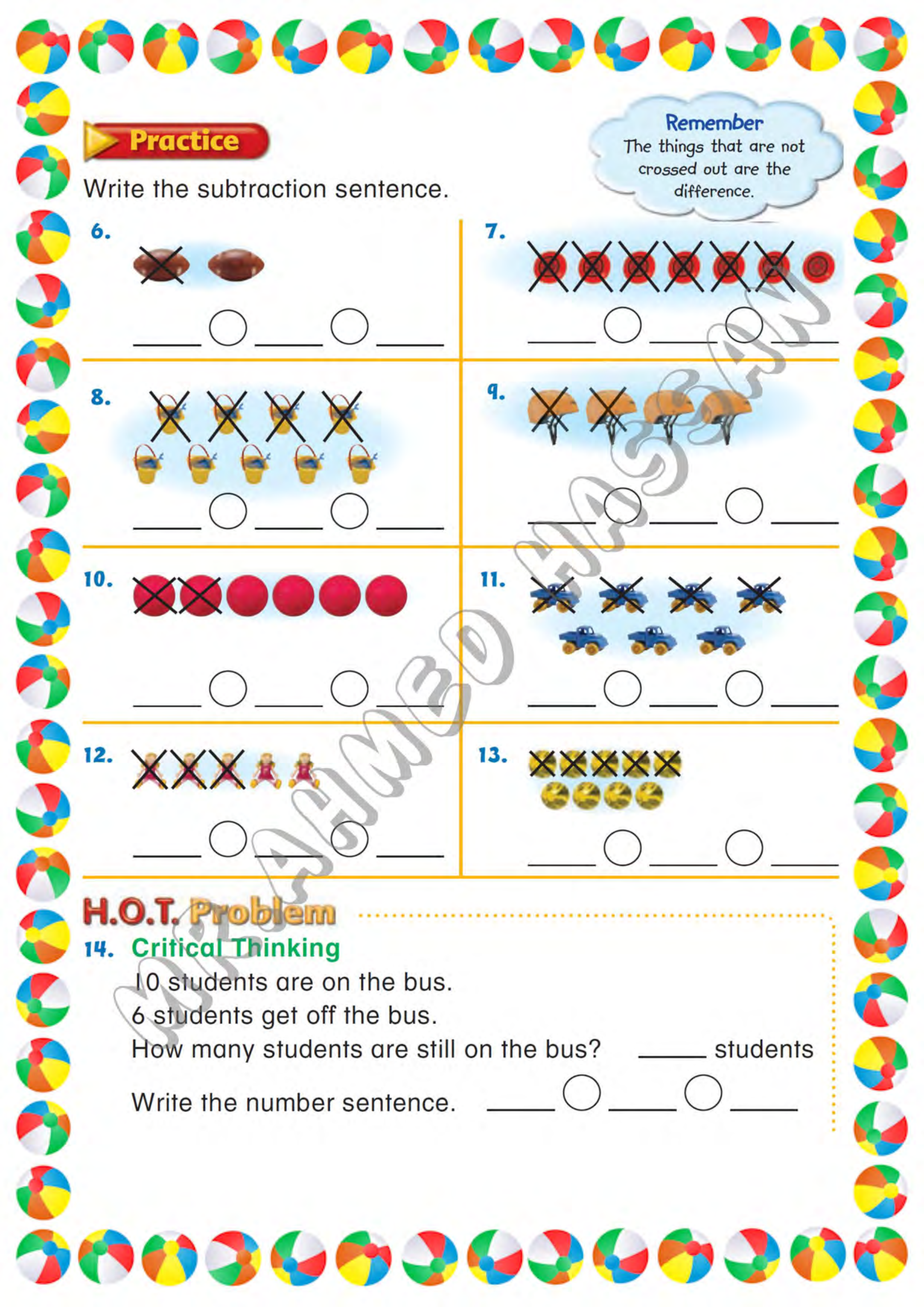
8 – 3 = 5

2. ___ – ___ = ___

3. ___ ◯ ___ ◯ ___

4. ___ ◯ ___ ◯ ___

5. Talk About It What does – mean?



## Practice

Write the subtraction sentence.

**Remember**
The things that are not crossed out are the difference.

**6.** ____ ◯ ____ ◯ ____

**7.** ____ ◯ ____ ◯ ____

**8.** ____ ◯ ____ ◯ ____

**9.** ____ ◯ ____ ◯ ____

**10.** ____ ◯ ____ ◯ ____

**11.** ____ ◯ ____ ◯ ____

**12.** ____ ◯ ____ ◯ ____

**13.** ____ ◯ ____ ◯ ____

## H.O.T. Problem

**14. Critical Thinking**

10 students are on the bus.
6 students get off the bus.
How many students are still on the bus? ____ students

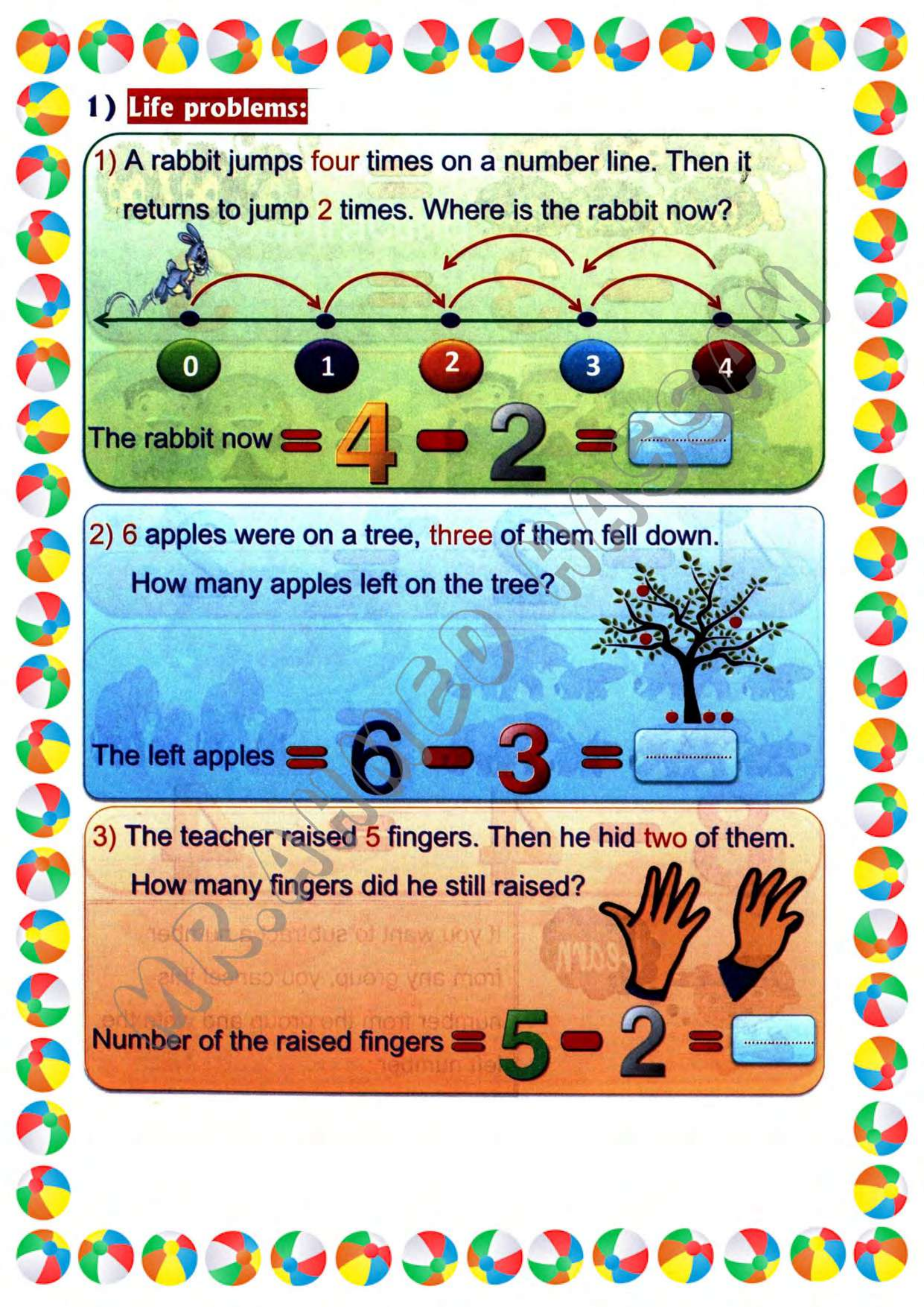
Write the number sentence. ____ ◯ ____ ◯ ____

Write the subtraction sentence.





Write the number of left.
The first one is done for you.
5
– 2
3
4
– 1
6
– 2
7
– 1
4
– 3
5
– 3
MR. AHMED HASSAN



## 1) Life problems:

1) A rabbit jumps four times on a number line. Then it returns to jump 2 times. Where is the rabbit now?



The rabbit now = 4 − 2 = ............

2) 6 apples were on a tree, three of them fell down.

How many apples left on the tree?

The left apples = 6 − 3 = ............

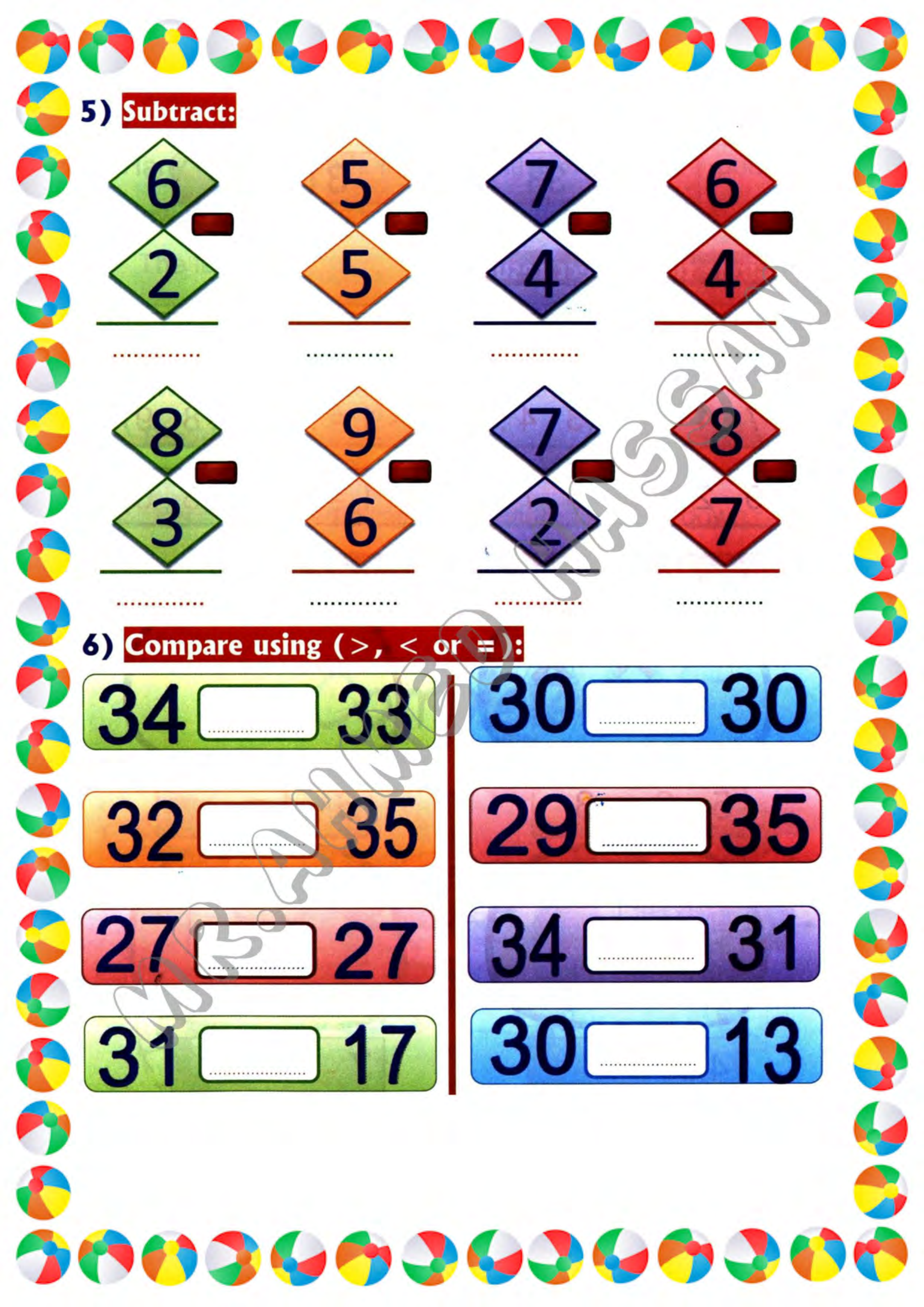
3) The teacher raised 5 fingers. Then he hid two of them.

How many fingers did he still raised?

Number of the raised fingers = 5 − 2 = ............

2) **Complete as the given example:**





## 5) Subtract:

| | | | |
|---|---|---|---|
| 6 − 2 = ........ | 5 − 5 = ........ | 7 − 4 = ........ | 6 − 4 = ........ |
| 8 − 3 = ........ | 9 − 6 = ........ | 7 − 2 = ........ | 8 − 7 = ........ |

## 6) Compare using ( >, < or = ):

| | |
|---|---|
| 34 ........ 33 | 30 ........ 30 |
| 32 ........ 35 | 29 ........ 35 |
| 27 ........ 27 | 34 ........ 31 |
| 31 ........ 17 | 30 ........ 13 |

# Lessons 47-48

## The relation between addition and subtraction

6 + 4 = 10

4 + 6 = 10

10 – 4 = 6

10 – 6 = 4




The addition and subtraction facts are related in a fact family. All the facts use the same three numbers.

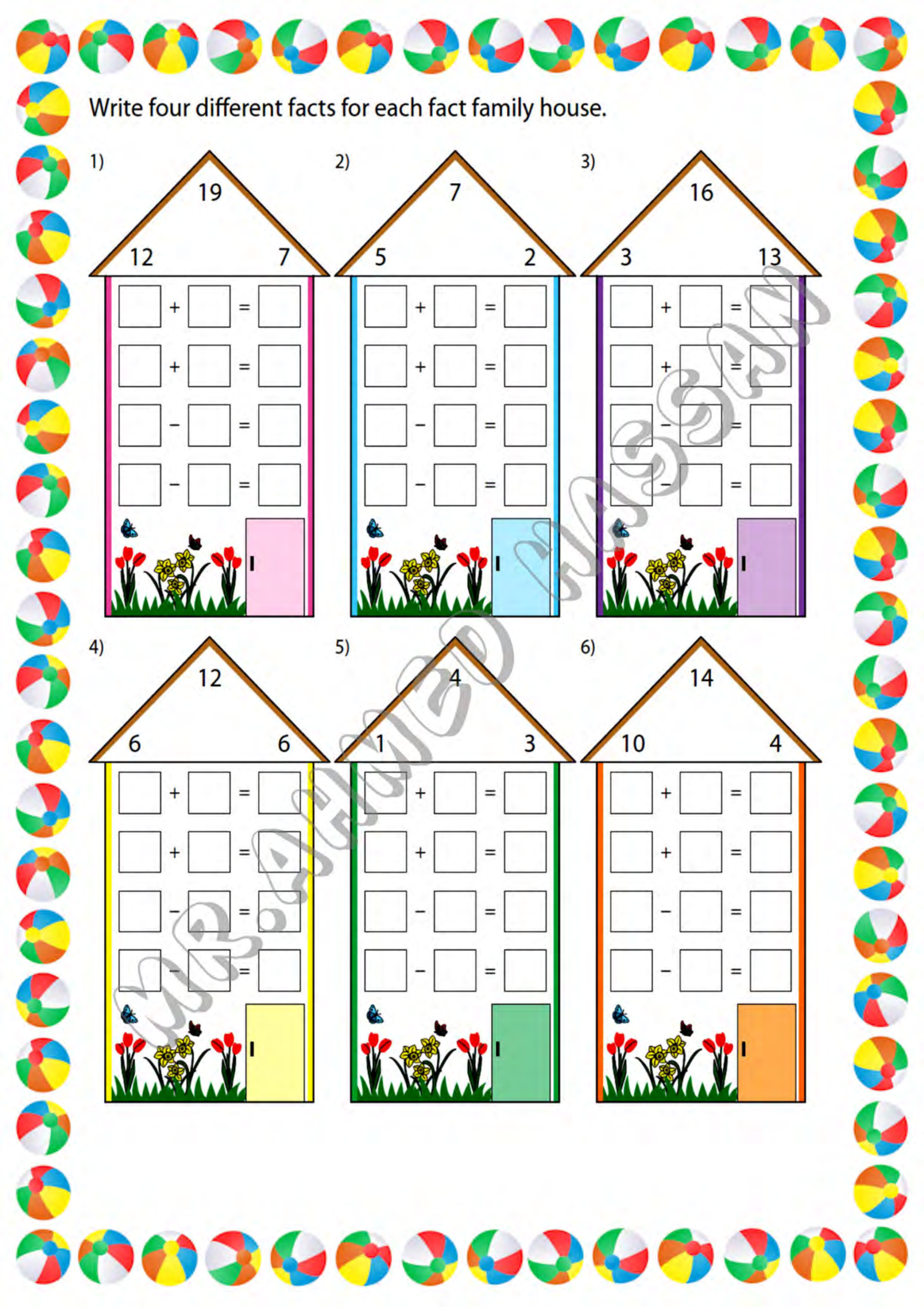
**Write the results.**

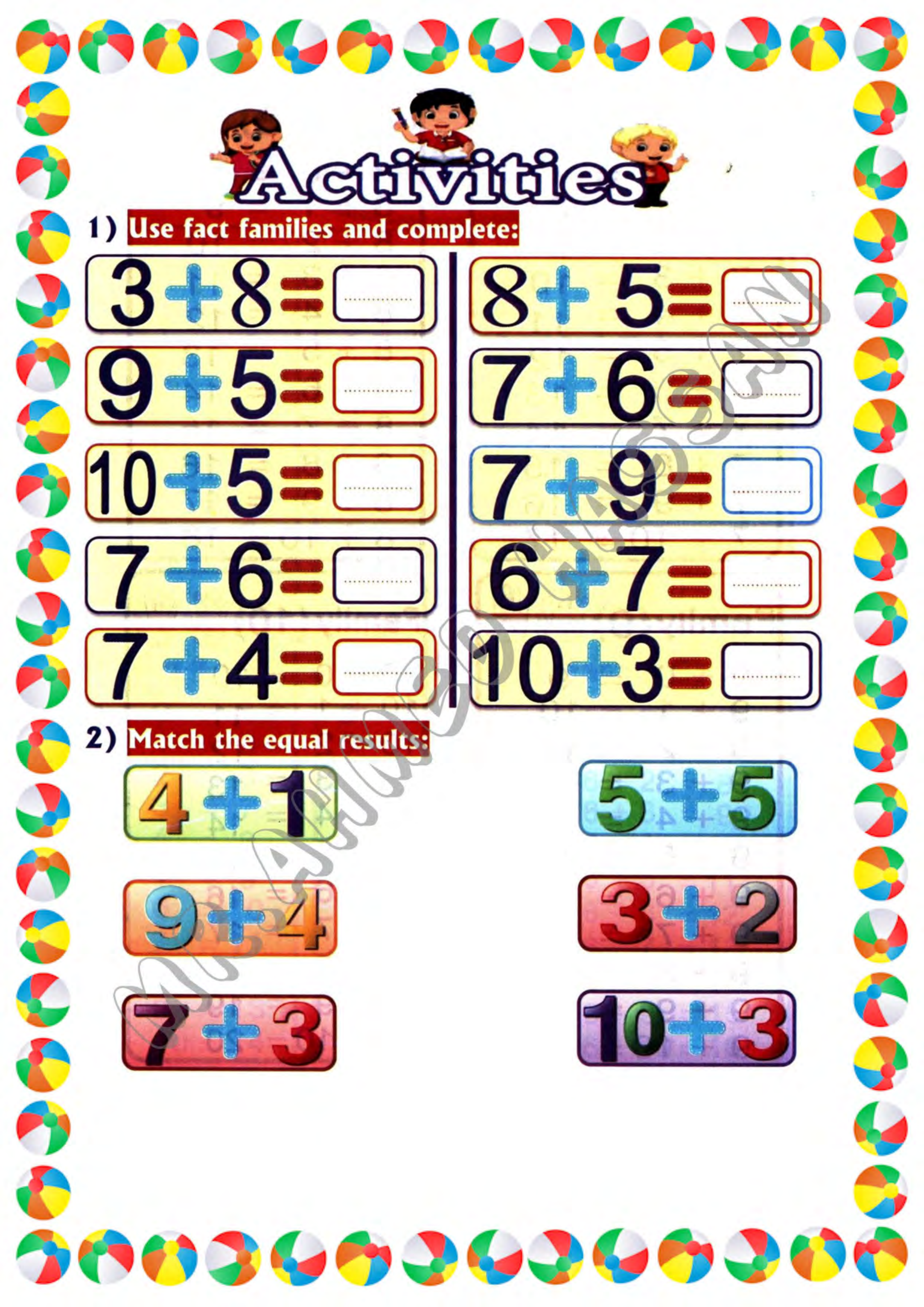
| | | |
|---|---|---|
| 4 + 3 = 7 | 1 + 5 = ...... | 8 + 0 = ...... |
| 3 + 4 = 7 | 5 + 1 = ...... | 0 + 8 = ...... |
| 7 – 4 = 3 | 6 – 5 = ...... | 8 – 0 = ...... |
| 7 – 3 = 4 | 6 – 1 = ...... | 8 – 8 = ...... |



**Write a pair of addition and subtraction facts for each group of numbers.**

| 4 1 5 | 6 2 8 | 2 7 9 |
|---|---|---|
| 4 + 1 = 5 | ...... + ...... = ...... | ...... + ...... = ...... |
| 1 + 4 = 5 | ...... + ...... = ...... | ...... + ...... = ...... |
| 5 – 4 = 1 | ...... – ...... = ...... | ...... – ...... = ...... |
| 5 – 1 = 4 | ...... – ...... = ...... | ...... – ...... = ...... |


Write four different facts for each fact family house.
1)
19
12
7
2)
7
5
2
3)
16
3
13
4)
12
6
6
5)
4
1
3
6)
14
10
4
MR. AHMED HASSAN



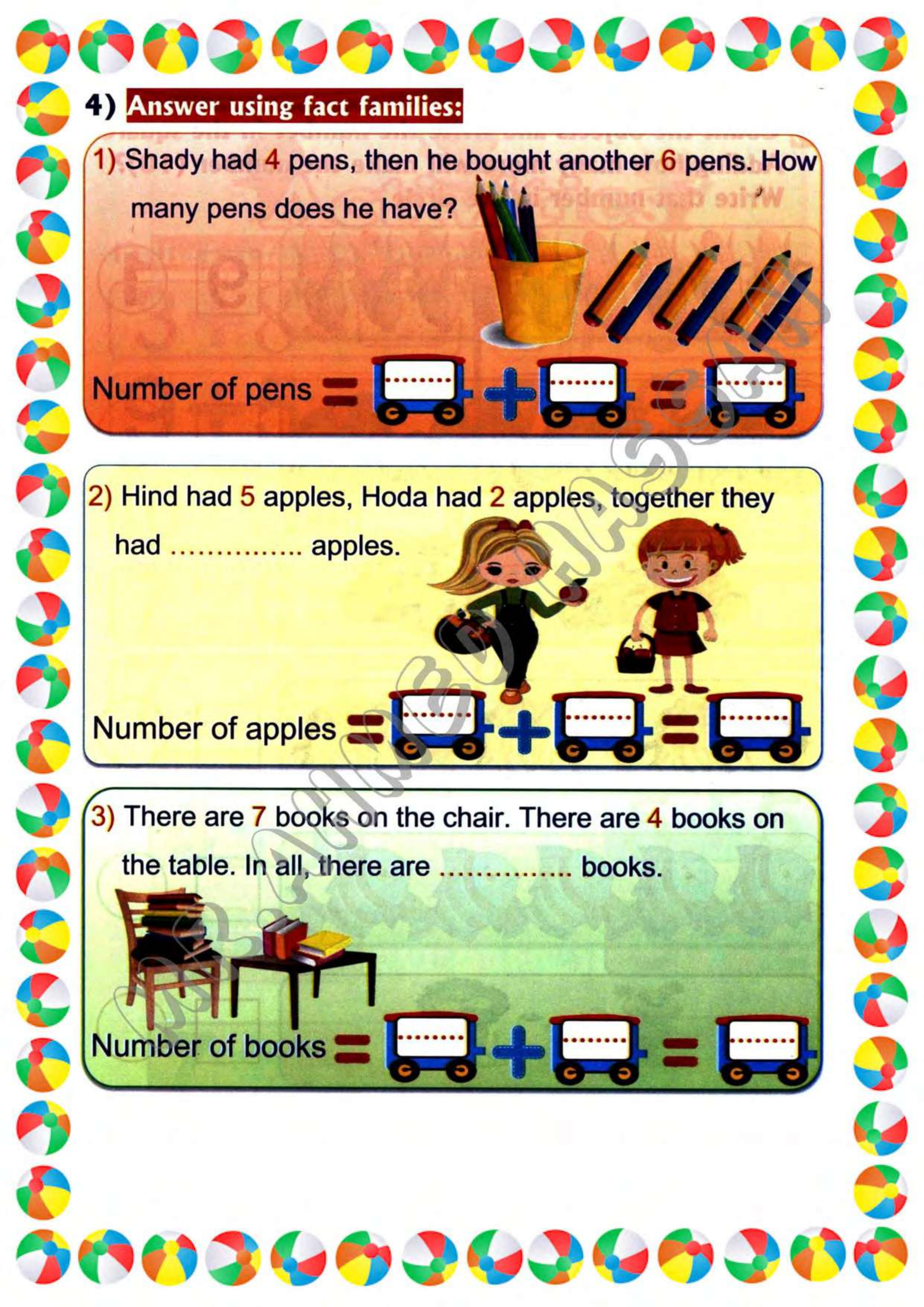
# Activities

1) **Use fact families and complete:**

| | |
|---|---|
| 3 + 8 = ........ | 8 + 5 = ........ |
| 9 + 5 = ........ | 7 + 6 = ........ |
| 10 + 5 = ........ | 7 + 9 = ........ |
| 7 + 6 = ........ | 6 + 7 = ........ |
| 7 + 4 = ........ | 10 + 3 = ........ |

2) **Match the equal results:**

| | |
|---|---|
| 4 + 1 | 5 + 5 |
| 9 + 4 | 3 + 2 |
| 7 + 3 | 10 + 3 |



## 4) Answer using fact families:

1) Shady had 4 pens, then he bought another 6 pens. How many pens does he have?

Number of pens = ....... + ....... = .......

2) Hind had 5 apples, Hoda had 2 apples, together they had ............... apples.

Number of apples = ....... + ....... = .......

3) There are 7 books on the chair. There are 4 books on the table. In all, there are .............. books.

Number of books = ....... + ....... = .......

# Lessons 49-50

# Fact Families

## 1 Family

1 + 0 = .........

1 + 1 = .........

1 + 2 = .........

1 + 3 = .........

1 + 4 = .........

1 + 5 = .........

1 + 6 = .........

1 + 7 = .........

1 + 8 = .........

1 + 9 = .........

1 + 10 = .........

## 2 Family

2 + 0 = .........

2 + 1 = .........

2 + 2 = .........

2 + 3 = .........

2 + 4 = .........

2 + 5 = .........

2 + 6 = .........

2 + 7 = .........

2 + 8 = .........

2 + 9 = .........

2 + 10 = .........

## 3 Family

3 + 0 = .........

3 + 1 = .........

3 + 2 = .........

3 + 3 = .........

3 + 4 = .........

3 + 5 = .........

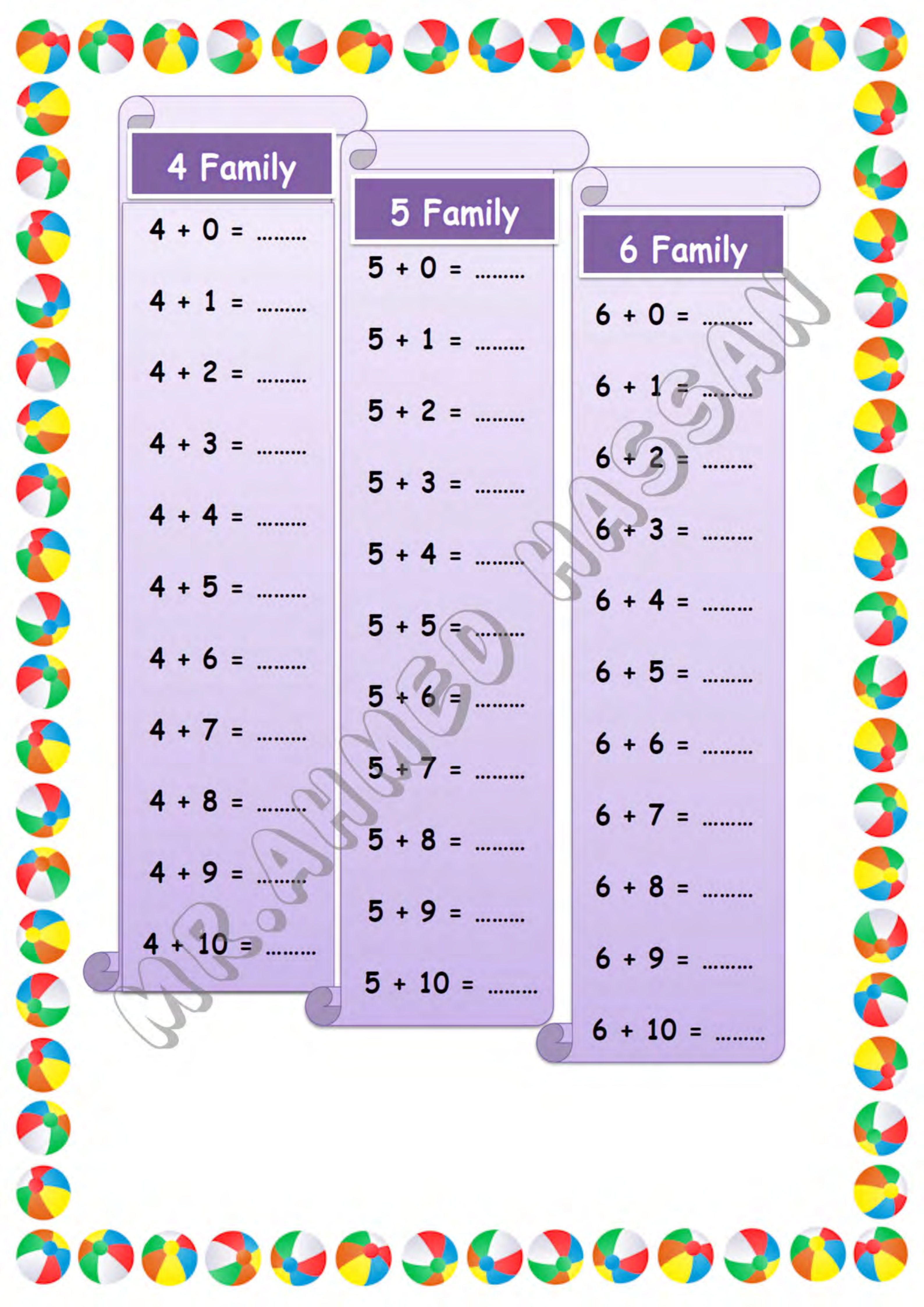
3 + 6 = .........

3 + 7 = .........

3 + 8 = .........

3 + 9 = .........

3 + 10 = .........



## 4 Family

4 + 0 = ........

4 + 1 = ........

4 + 2 = ........

4 + 3 = ........

4 + 4 = ........

4 + 5 = ........

4 + 6 = ........

4 + 7 = ........

4 + 8 = ........

4 + 9 = ........

4 + 10 = ........

## 5 Family

5 + 0 = ........

5 + 1 = ........

5 + 2 = ........

5 + 3 = ........

5 + 4 = ........

5 + 5 = ........

5 + 6 = ........

5 + 7 = ........

5 + 8 = ........

5 + 9 = ........

5 + 10 = ........

## 6 Family

6 + 0 = ........

6 + 1 = ........

6 + 2 = ........

6 + 3 = ........

6 + 4 = ........

6 + 5 = ........

6 + 6 = ........

6 + 7 = ........

6 + 8 = ........

6 + 9 = ........

6 + 10 = ........

## 7 Family

7 + 0 = .........

7 + 1 = .........

7 + 2 = .........

7 + 3 = .........

7 + 4 = .........

7 + 5 = .........

7 + 6 = .........

7 + 7 = .........

7 + 8 = .........

7 + 9 = .........

7 + 10 = .........

## 8 Family

8 + 0 = .........

8 + 1 = .........

8 + 2 = .........

8 + 3 = .........

8 + 4 = .........

8 + 5 = .........

8 + 6 = .........

8 + 7 = .........

8 + 8 = .........

8 + 9 = .........

8 + 10 = .........

## 9 Family

9 + 0 = .........

9 + 1 = .........

9 + 2 = .........

9 + 3 = .........

9 + 4 = .........

9 + 5 = .........

9 + 6 = .........

9 + 7 = .........

9 + 8 = .........

9 + 9 = .........

9 + 10 = .........

# Fact Families

## Family 1

1 - 0 = .........

1 - 1 = .........

## Family 2

2 - 0 = .........

2 - 1 = .........

2 - 2 = .........

## Family 3

3 - 0 = .........

3 - 1 = .........

2 - 2 = .........

## Family 4

4 - 0 = .........

4 - 1 = .........

4 - 2 = .........

4 - 3 = .........

## Family 5

5 - 0 = .........

5 - 1 = .........

5 - 2 = .........

5 - 3 = .........

5 - 4 = .........

5 - 5 = .........

## Family 6

6 - 0 = .........

6 - 1 = .........

6 - 2 = .........

6 - 3 = .........

6 - 4 = .........

6 - 5 = .........

6 - 6 = .........

## Family 7

7 - 0 = ........

7 - 1 = ........

7 - 2 = ........

7 - 3 = ........

7 - 4 = ........

7 - 5 = ........

7 - 6 = ........

7 - 7 = ........

## Family 8

8 - 0 = ........

8 - 1 = ........

8 - 2 = ........

8 - 3 = ........

8 - 4 = ........

8 - 5 = ........

8 - 6 = ........

8 - 7 = ........

8 - 8 = ........



## Family 9

9 - 0 = .........

9 - 1 = .........

9 - 2 = .........

9 - 3 = .........

9 - 4 = .........

9 - 5 = .........

9 - 6 = .........

9 - 7 = .........

9 - 8 = .........

9 - 9 = .........

## Family 10

10 - 0 = .........

10 - 1 = .........

10 - 2 = .........

10 - 3 = .........

10 - 4 = .........

10 - 5 = .........

10 - 6 = .........

10 - 7 = .........

10 - 8 = .........

10 - 9 = .........

10 -10 = .........



# Lessons 51 - 60

# Numbers up to 100

Chart 1-100

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |



## 1 Read the numbers between 10 and 20:

| | | | | |
|---|---|---|---|---|
| 11 eleven | 12 twelve | 13 thirteen | 14 fourteen | 15 fifteen |
| 16 sixteen | 17 seventeen | 18 eighteen | 19 nineteen | 20 twenty |

## 2 Read any number till 99:

| | | | |
|---|---|---|---|
| 27 twenty-seven | 34 thirty-four | 41 forty-one | 58 fifty-eight |
| 69 sixty-nine | 75 seventy-five | 83 eighty-three | 99 ninety-nine |

## 4 Read the following numbers, then complete as the example:

**Example** 47 is read as forty-seven

a 95 ..........................

b 73 ..........................

c 51 ..........................

d 48 ..........................

e 99 ..........................

f 29 ..........................

g 82 ..........................

h 34 ..........................

## 5 Write each of the following in digits as the example:

**Example** Eighty-five 85

a Sixteen .....

b Seventy .....

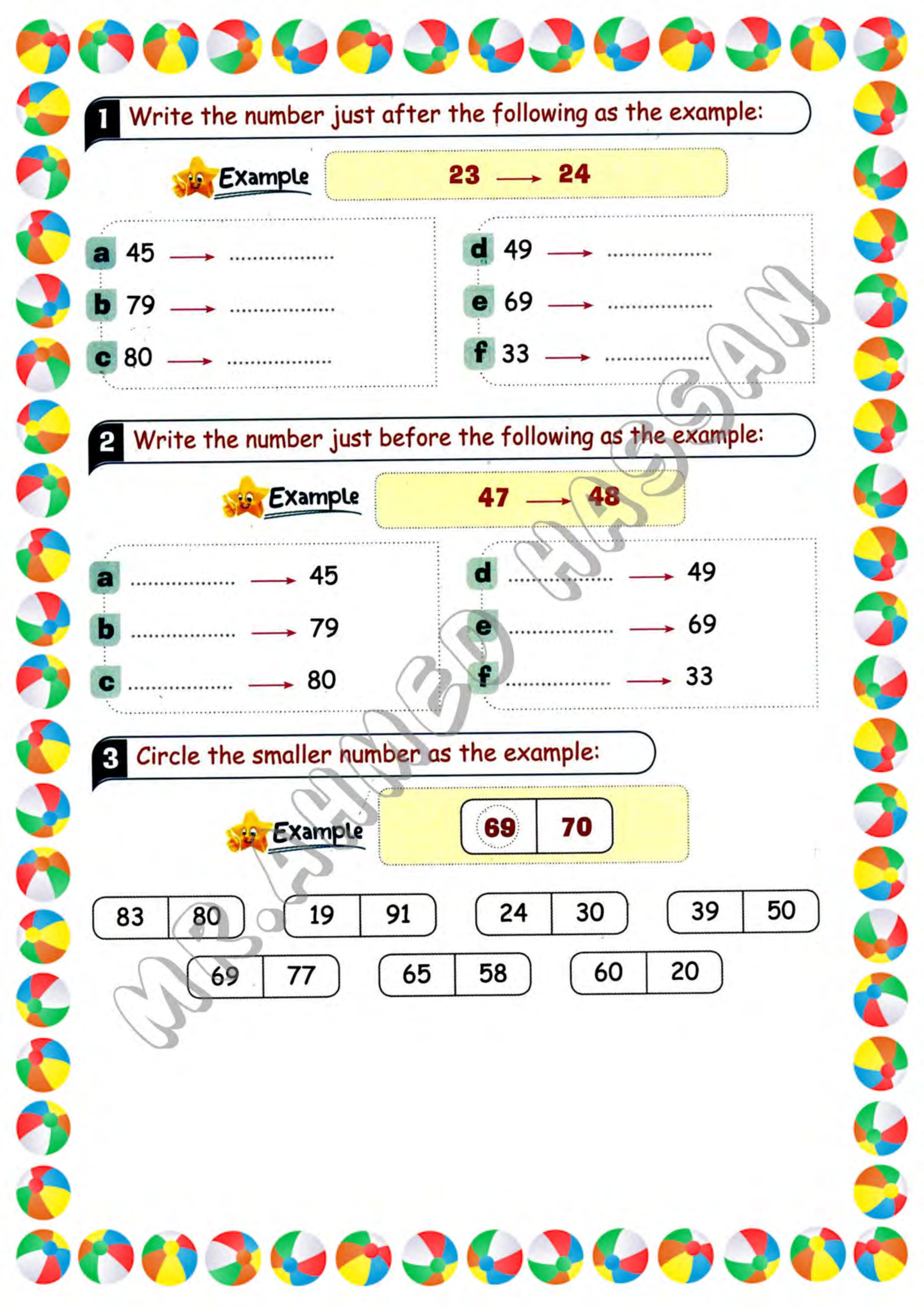
c Seventeen .....

d Eleven .....

e Forty-four .....

f Twenty-nine .....

g Ninety-one .....



## 1 Write the number just after the following as the example:

**Example** 23 → 24

a 45 → ................

b 79 → ................

c 80 → ................

d 49 → ................

e 69 → ................

f 33 → ................

## 2 Write the number just before the following as the example:

**Example** 47 → 48

a ................ → 45

b ................ → 79

c ................ → 80

d ................ → 49

e ................ → 69

f ................ → 33

## 3 Circle the smaller number as the example:

**Example**

| | |
|---|---|
| 69 | 70 |

| | |
|---|---|
| 83 | 80 |

| | |
|---|---|
| 19 | 91 |

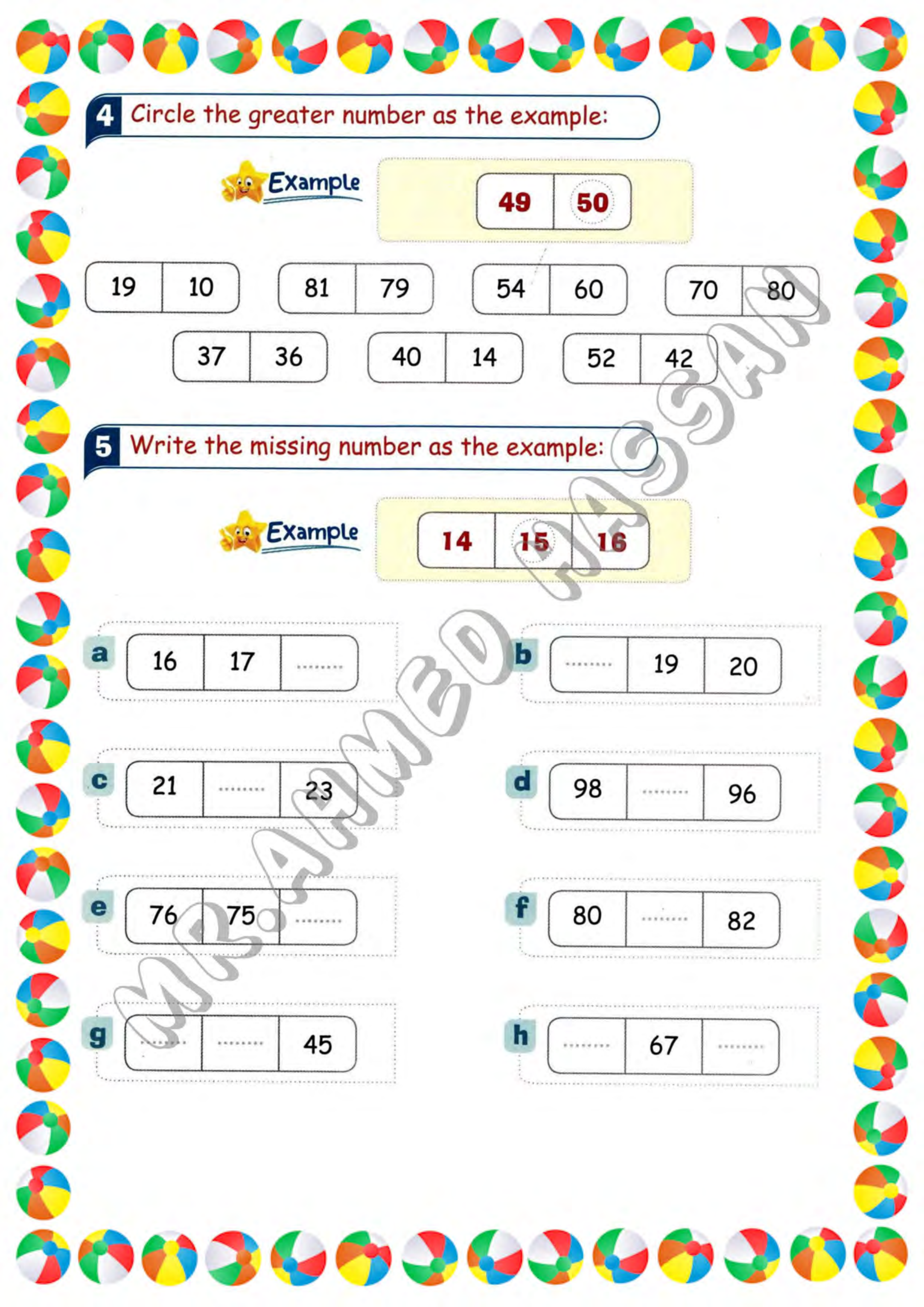
| | |
|---|---|
| 24 | 30 |

| | |
|---|---|
| 39 | 50 |

| | |
|---|---|
| 69 | 77 |

| | |
|---|---|
| 65 | 58 |

| | |
|---|---|
| 60 | 20 |



## 4 Circle the greater number as the example:

Example

| | |
|---|---|
| 49 | (50) |

| | |
|---|---|
| 19 | 10 |

| | |
|---|---|
| 81 | 79 |

| | |
|---|---|
| 54 | 60 |

| | |
|---|---|
| 70 | 80 |

| | |
|---|---|
| 37 | 36 |

| | |
|---|---|
| 40 | 14 |

| | |
|---|---|
| 52 | 42 |

## 5 Write the missing number as the example:

Example

| | | |
|---|---|---|
| 14 | (15) | 16 |

**a**

| | | |
|---|---|---|
| 16 | 17 | ........ |

**b**

| | | |
|---|---|---|
| ........ | 19 | 20 |

**c**

| | | |
|---|---|---|
| 21 | ........ | 23 |

**d**

| | | |
|---|---|---|
| 98 | ........ | 96 |

**e**

| | | |
|---|---|---|
| 76 | 75 | ........ |

**f**

| | | |
|---|---|---|
| 80 | ........ | 82 |

**g**

| | | |
|---|---|---|
| ........ | ........ | 45 |

**h**

| | | |
|---|---|---|
| ........ | 67 | ........ |



# Ordering Numbers

2-digit: S1

A) Order the numbers from least to greatest.

1) 34, 65, 23, 10, 76

2) 47, 21, 18, 72, 63

B) Order the numbers from greatest to least.

1) 53, 37, 66, 81, 12

2) 11, 49, 32, 50, 98



# Add & subtract within (10) using number chart

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

**3 + 4 = 7**

Start from number (3), move forward (4) steps, you will reach number (7).

**10 - 2 = 8**

Start from number (10), move back (2) steps, you will reach number (8).

## 2) Find the result using the number chart:

| | | | |
|---|---|---|---|
| 5+3= ........ | 4+2= ........ | 2+2= ........ | 5-3= ........ |
| 6+2= ........ | 8+1= ........ | 3+4= ........ | 8-3= ........ |
| 8-2= ........ | 6-3= ........ | 7+3= ........ | 10-4= ........ |
| 9-3= ........ | 7-2= ........ | 7+2= ........ | 7-4= ........ |
| 10-5= ........ | 9-6= ........ | 4+4= ........ | 3-2= ........ |

# Telling time





**Directions** Write the missing numbers on the clock. Write the time shown on the clock.






**Directions 1–5** Write the time shown on the clock.

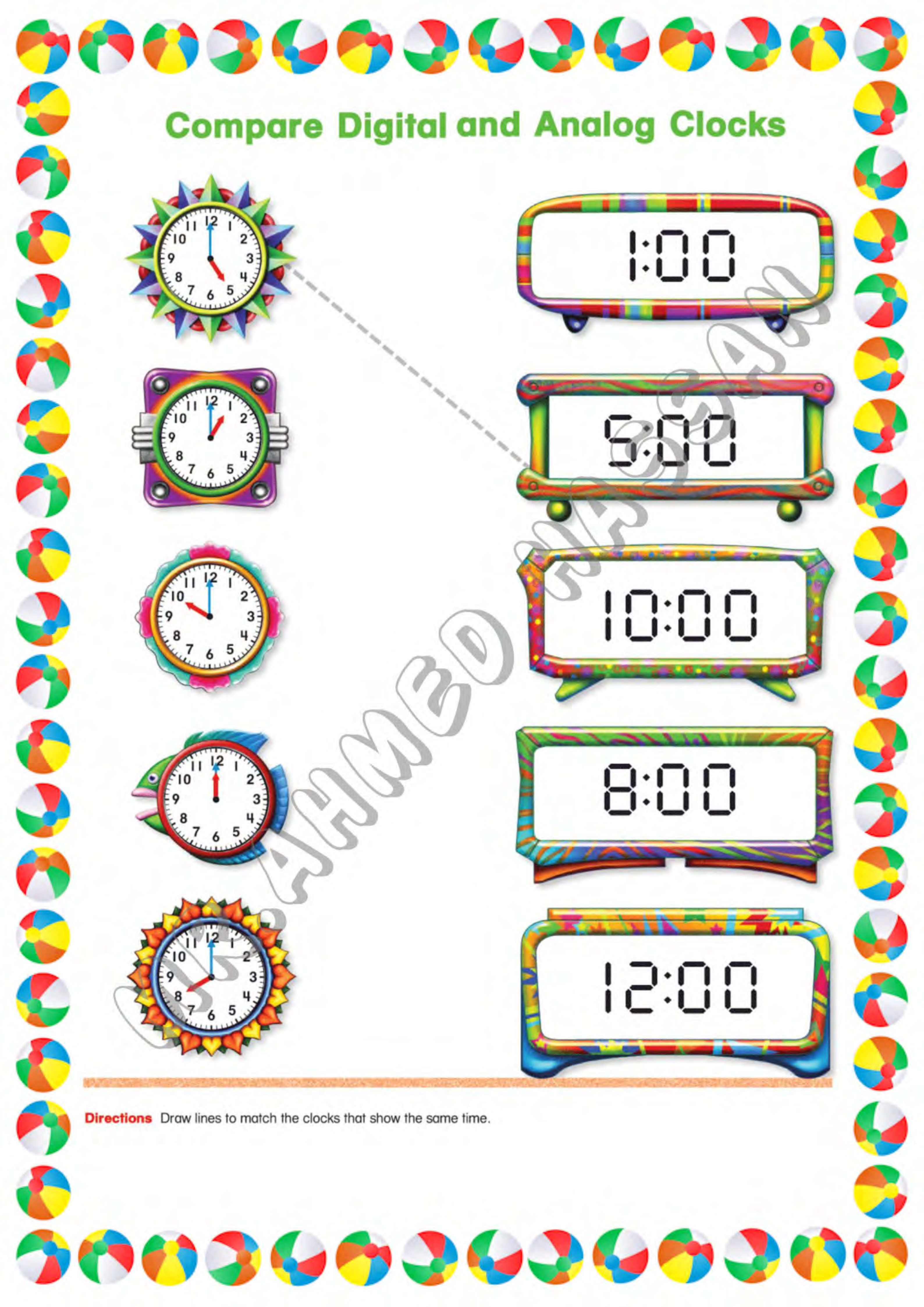
**At Home** Fold this page lengthwise so only the clocks are showing. Point to each clock and have your child tell you the time that is shown.

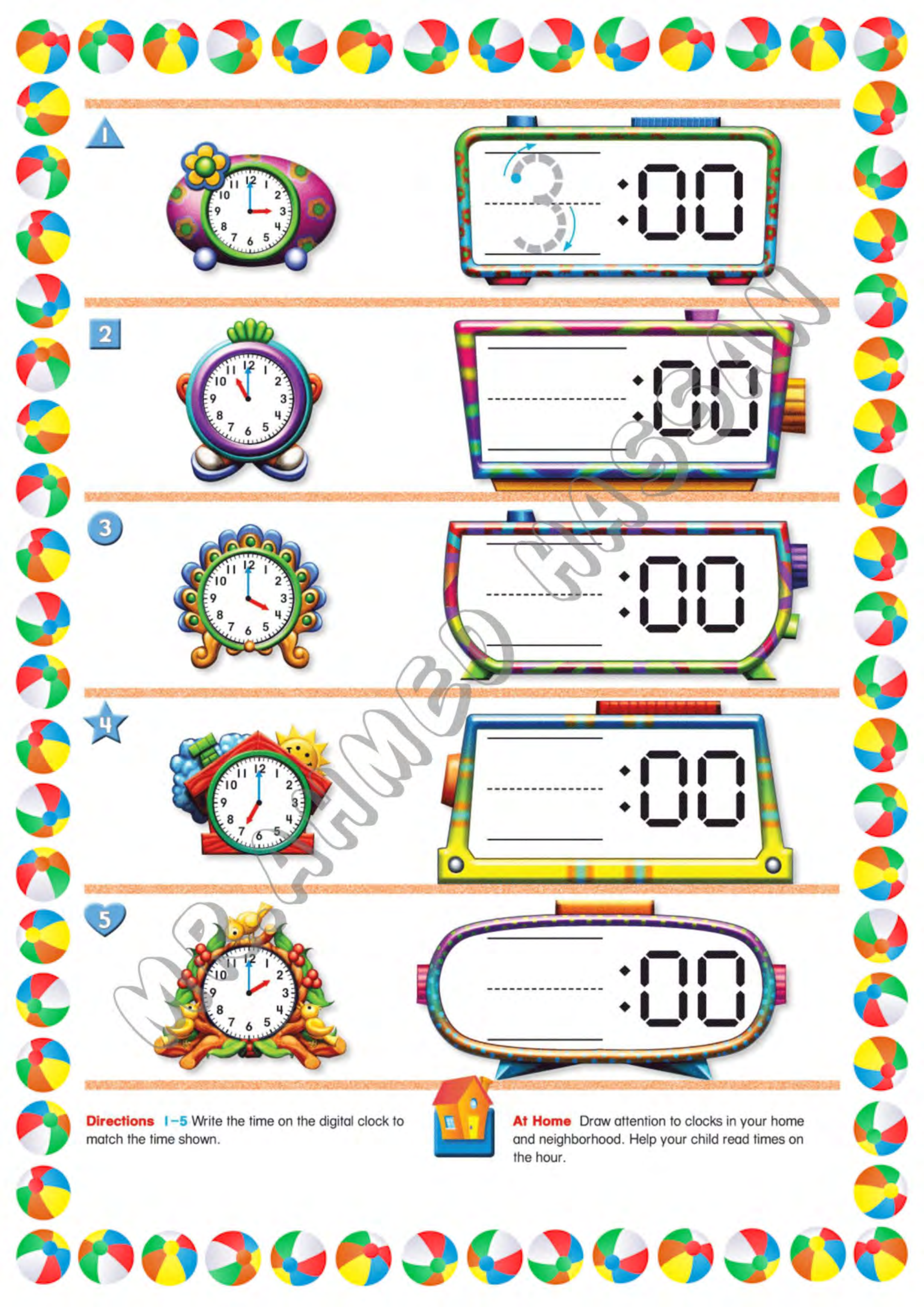




**Directions** 1–5 Write the time shown on the clock.

**At Home** Have your child point to each clock and tell you the time. Talk about things that he or she might do at each time shown.


Compare Digital and Analog Clocks
1:00
5:00
10:00
8:00
12:00
Directions Draw lines to match the clocks that show the same time.

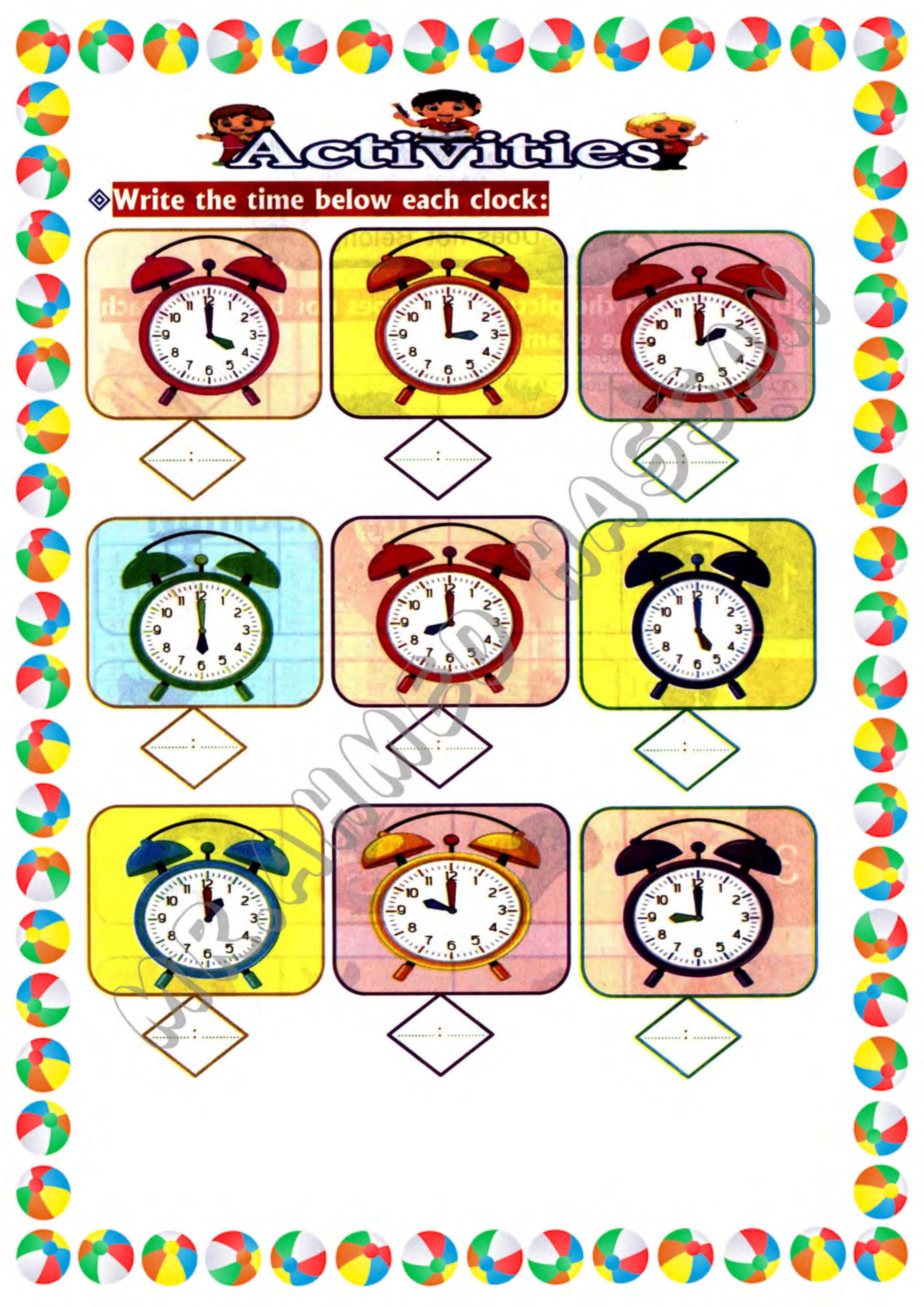



**Directions 1–5** Write the time on the digital clock to match the time shown.

**At Home** Draw attention to clocks in your home and neighborhood. Help your child read times on the hour.

# Activities

◈ **Write the time below each clock:**



**Draw the clock hands to refer to the same time in the digital clock:**





# Belong & Does not belong

Fruits

Draw an X on the picture that does not belong in each group.

Wild animals

Pets

Flowers



# Adding & Subtracting within 20

## Model and Draw

Sam is reading a story that has 10 pages. He has read 4 pages. How many pages does he have left to read?

**THINK**
I can use a related addition fact to solve 10 − 4.

What is 10 − 4?

4 + [6] = 10

So, 10 − 4 = 6.



## Share and Show




Add or subtract.

| | | |
|---|---|---|
| 1. 2 + 5 = ____ | 2. 9 − 6 = ____ | 3. ____ = 9 + 3 |
| 4. 15 − 7 = ____ | 5. 3 − 1 = ____ | 6. ____ = 2 + 6 |
| 7. 2 + ☐ = 11 | 8. 10 − ☐ = 2 | 9. 8 = 8 + ☐ |
| 10. 12 − 9 = ____ | 11. 12 − 4 = ____ | 12. ____ = 4 + 9 |
| 13. ☐ + 8 = 13 | 14. ☐ − 1 = 6 | 15. 9 = ☐ + 3 |
| 16. 16 − 7 = ____ | ✓17. 11 − 8 = ____ | ✓18. ____ = 8 + 7 |




















**On Your Own**

MATHEMATICAL PRACTICE 6 **Attend to Precision**

Add or subtract.

19. $6 + 0 =$
20. $17 - 8 =$
21. $7 + 4 =$
22. $9 - 0 =$
23. $17 - 9 =$
24. $4 + 6 =$
25. $7 + \square = 10$
26. $8 - \square = 3$
27. $8 + \square = 11$
28. $8 - \square = 2$
29. $10 - \square = 6$
30. $9 + \square = 17$
31. $6 + 7 =$
32. $4 - \square = 0$
33. $5 + \square = 11$
34. $13 - 6 =$
35. $17 - 9 =$
36. $8 + \square = 16$
37. $10 + 5 =$
38. $13 - 3 =$
39. $10 + \square = 13$
40. $20 - 10 =$
41. $10 - \square = 9$
42. $9 + \square = 19$





Add or subtract.

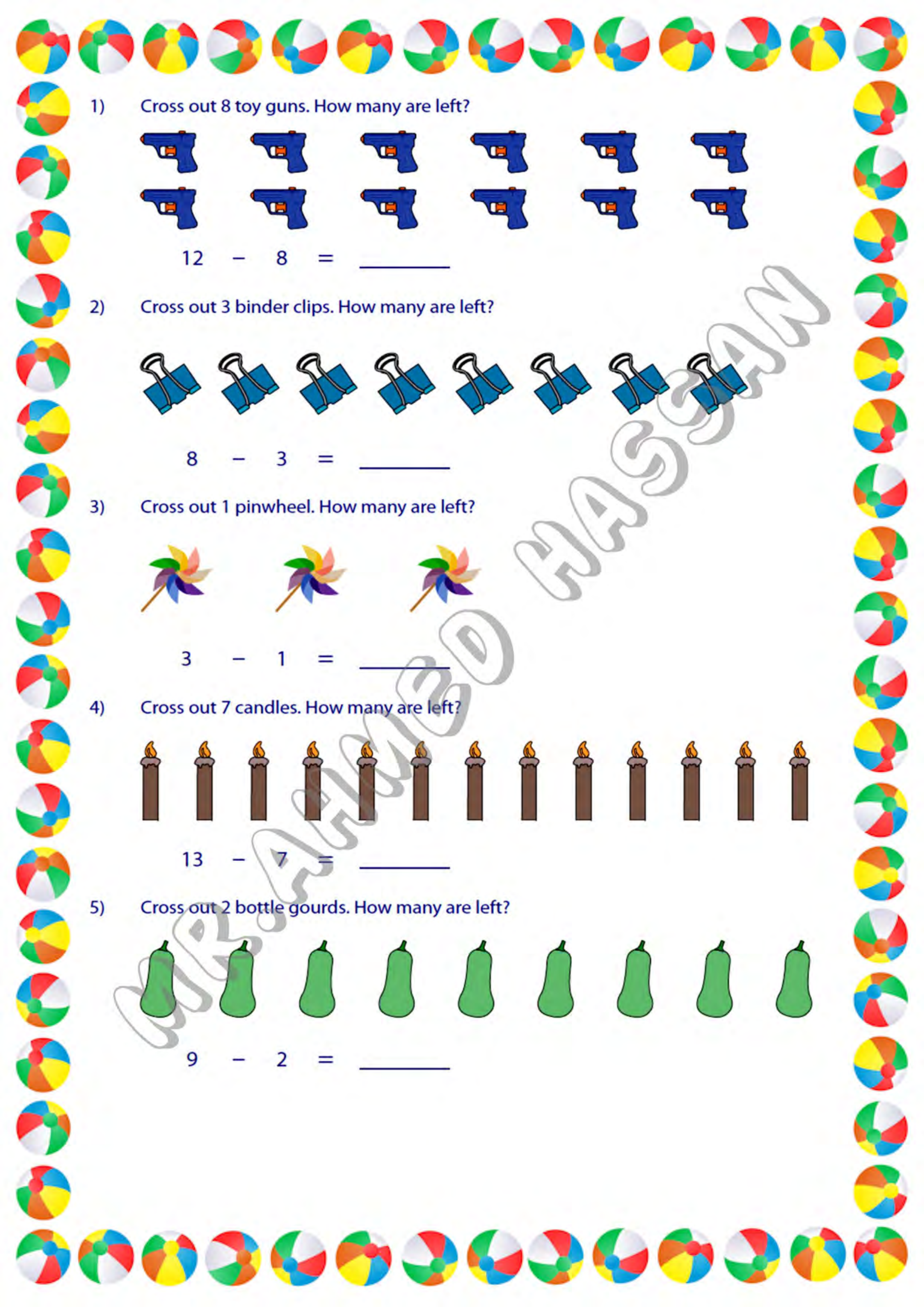
$14 - 7 =$

$15 - 6 =$

$8 + 7 =$

$5 + 8 =$





1) Cross out 8 toy guns. How many are left?

12 – 8 = ________

2) Cross out 3 binder clips. How many are left?

8 – 3 = ________

3) Cross out 1 pinwheel. How many are left?

3 – 1 = ________

4) Cross out 7 candles. How many are left?

13 – 7 = ________

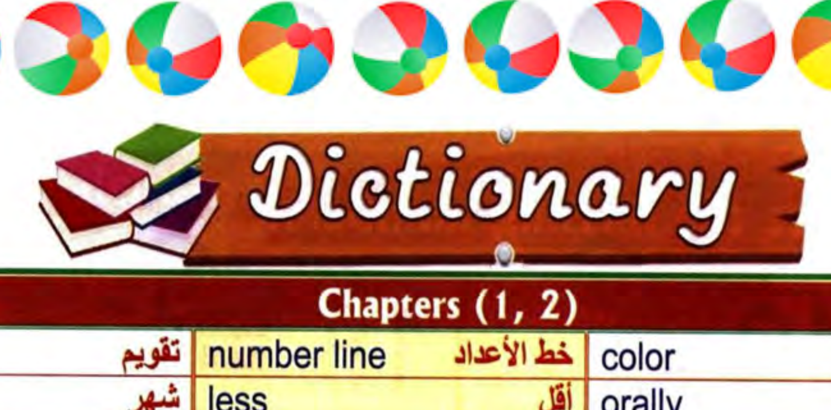
5) Cross out 2 bottle gourds. How many are left?

9 – 2 = ________

# Subtraction Sentence

Connect each subtraction sentence to the correct answer shown on the rugby jerseys of the children.






## Chapters (1, 2)

| | | | | | |
|---|---|---|---|---|---|
| calendar | تقويم | number line | خط الأعداد | color | يلون |
| month | شهر | less | أقل | orally | شفويًا |
| day | يوم | more | أكبر | match | وصل |
| week | أسبوع | zero | صفر | create | يحضر - يصنع |
| show | يوضح | represent | يمثل | number chart | مخطط الأعداد |
| compare | يقارن | point to | يشير إلى | How many ...? | كم عدد ....؟ |
| same | نفس الشيء | date | تاريخ | object | شيء |
| different | مختلف | count | يعد | participate | يشارك |
| arrange | يرتب | identify | تحديد | data collection | تجميع البيانات |
| data | بيانات | size | حجم | five frame | إطار الخمس وحدات |
| graph | رسم بياني | shape | شكل | math journal | كراسة الرياضيات |
| collaborate | يتعاون | describe | يصف | artistic representation | عرض فني |

## Chapters (3, 4)

| | | | | | |
|---|---|---|---|---|---|
| cross out | احذف | symbols | علامات | less than | أصغر من |
| organise | ينظم | analyze | يحلل | greater than | أكبر من |
| picture graph | | | رسم بياني بالصور | visual representation | عرض بصري |

## Chapters (5, 6)

| | | | | | |
|---|---|---|---|---|---|
| add | يجمع | classify | يصنف | participate | يشارك |
| within | في حدود | demonstrate | يظهر | ones and tens | آحاد و عشرات |
| solve | يحل | understanding | فهم | represent | تمثيل |
| apply | يطبق | relationship | علاقة | drawing | رسومات |
| ten frame structure | | | إطار العشر وحدات | life problems | مسائل حياتية |

## Chapter (7)

| | | | | | |
|---|---|---|---|---|---|
| patterns | أنماط | result | نتيجة | the long hand | العقرب الكبير |
| cancel | يحذف | The time | الوقت | the short hand | العقرب الصغير |
| items | عناصر | belong | ينتمي إلى | does not belong | لا ينتمي |
| hands | عقارب | subtract | يطرح | go to school | يذهب للمدرسة |
| minutes | دقائق | subtraction | طرح | eat dinner | يتناول العشاء |
| a.m.(a:m) | صباحًا | schedule | جدول زمني | go to bed | ينام |
| p.m.(p:m) | مساءًا | wake up | يستيقظ | overview | نظرة عامة |
| start from | يبدأ من | eat lunch | يتناول الغداء | analog clock | ساعة بعقارب |
| forward | للأمام | go home | يعود للمنزل | digital clock | ساعة رقمية |
| backward | للخلف | fact families | | | مجموعة حقائق الأرقام |